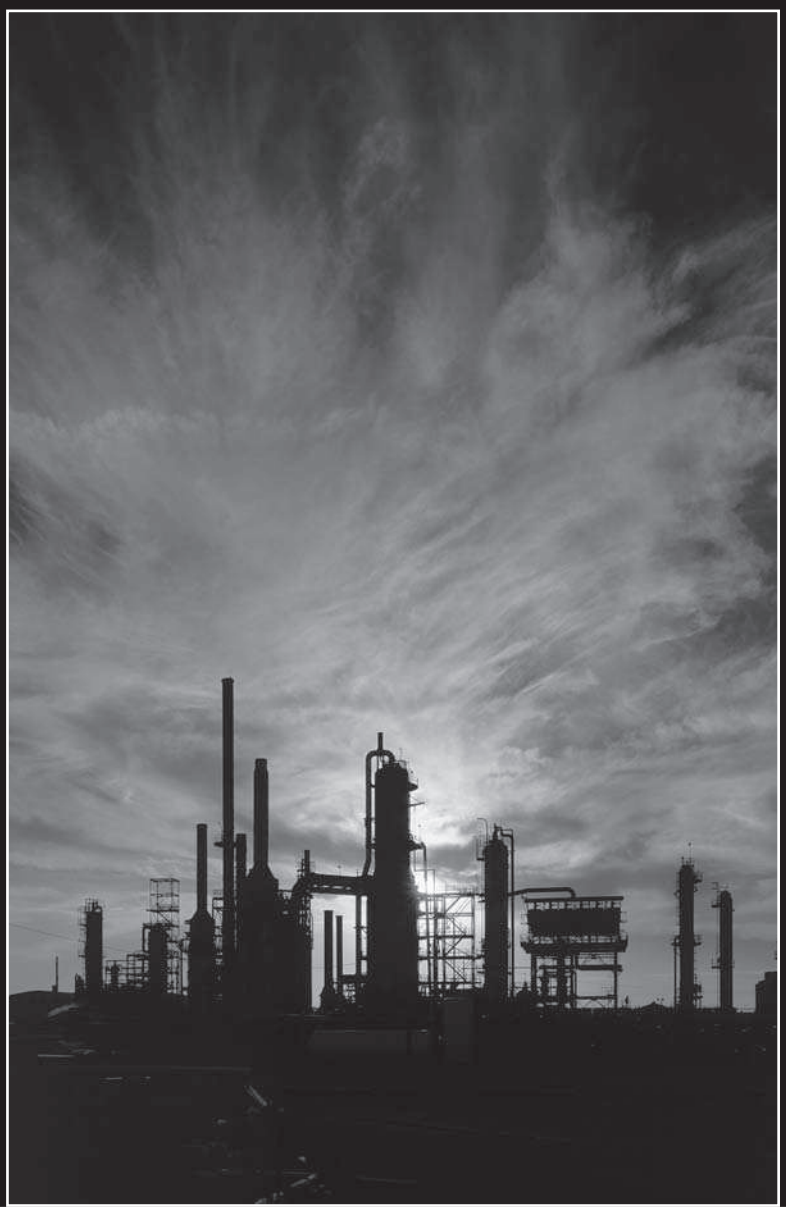
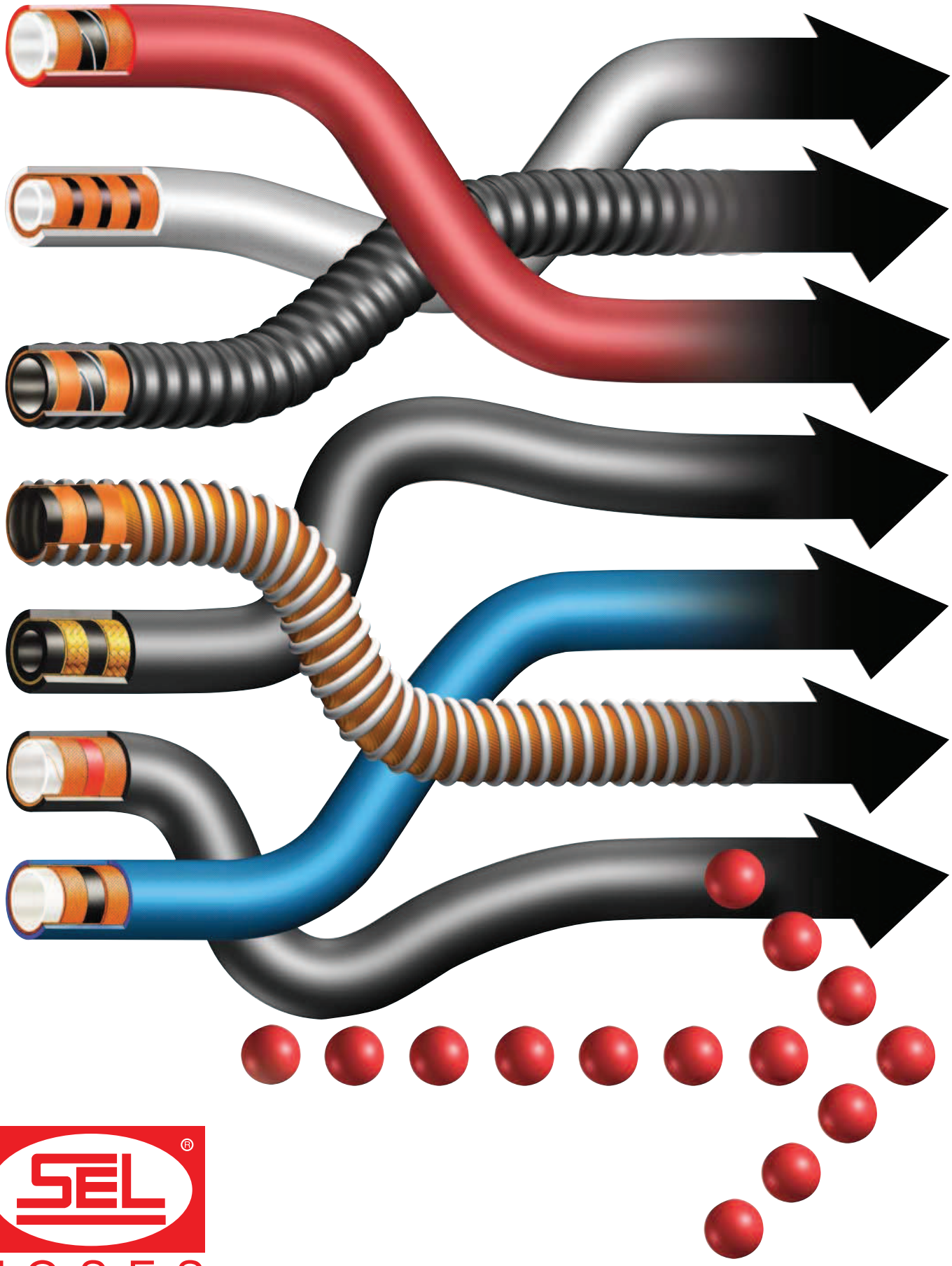
Industrial Hoses
Промышленные рукава



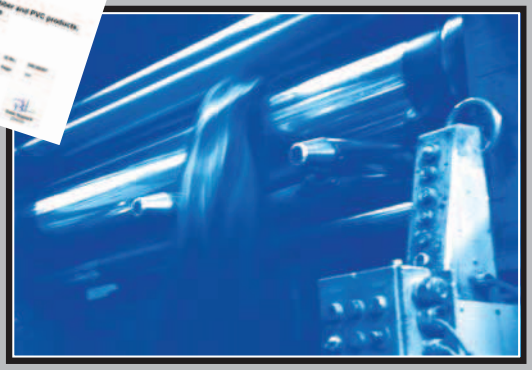


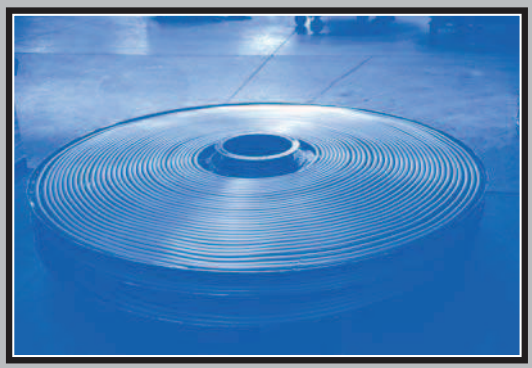
SEL®

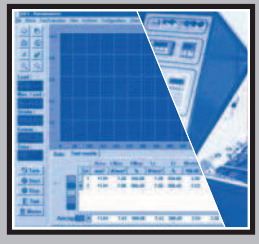
HOSES

2011

Our Production Facilities





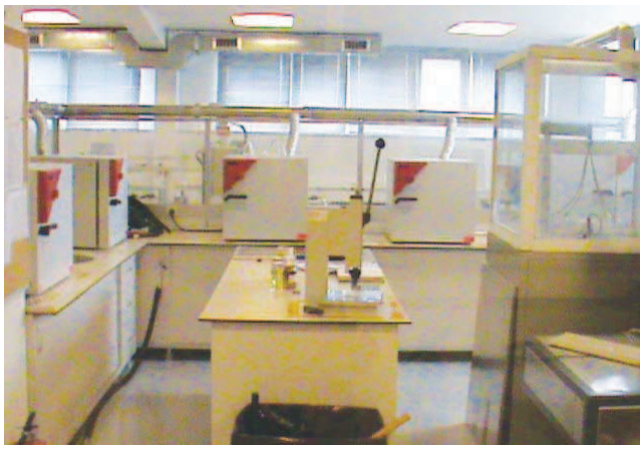


SEL®
HOSES

Research &Development - Quality








★ Polimer Kauçuk Engineering Department is conducted R&D activities for material development and component design, testing and in-house verification facilities.

★ Extremely skilled and experienced engineers are focused on research and development projects

★ Polimer Kauçuk Engineering Laboratory performs as a test laboratory and accredited according to EN ISO/IEC 17025:2005

TÜRKAK
TS EN ISO/IEC 17025

QUALITY SYSTEM AND CERTIFICATION

SYSTEM CERTIFICATIONS

DS - EN ISO 9001:2008

DS - EN ISO 14001:2004

DS - OHSAS 18001:2008

DEKRA - ISO/TS 16949:2002

T□RKAK - TS EN ISO/IEC 17025:2005

PRODUCT CERTIFICATIONS

TSE

LLOYD□S REGISTER

AMECA (Automotive Manufacturers Equipment Compliance Agency, Inc.)

MSHA (Mine Safety and Health Administration)

ABS (American Bureau of Shipping)

GOST-R

LUXCONTROL

UL

RST

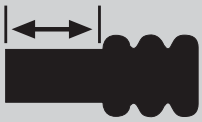
T□V

CERISIE

KIWA

Symbols/Symbols/Simboli/Symboles

INNER DIAMETER
INNENDURCHMESSER
DIAMETRO INTERNO
DIAMETRE INTERIEUR



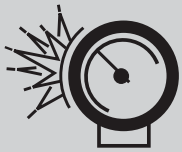
CUFFED END
MUFFEN
MANICOTTI
MANCHETTE

OUTER DIAMETER
AUSSENDURCHMESSER
DIAMETRO ESTERNO
DIAMETRE EXTERIEUR

VACUUM
VAKUUM
ASPIRAZIONE
DEPRESSION

WORKING PRESSURE
BETRIEBSDRUCK
PRESSIONE D'ESERCIZIO
PRESSION DE SERVICE

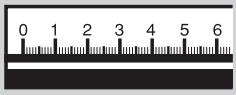
BENDING RADIUS
BIEGERADIUS
RAGGIO CURVATURA
RAYON DE COURBURE



BURST PRESSURE
PLATZDRUCK
PRESSIONE DI SCOPPIO
PRESSION D'ECLATEMENT

THEORETICAL WEIGHT
THEORETISCHES GEWICHT
PESO TEORICO
MASSE LINEAIRE

WORKING TEMPERATURE
BETRIEBSTEMPERATUR
TEMPERATURA DI LAVORO
TEMPERATURE DE TRAVAIL



LENGTH
LANGE
LUNGHEZZA
LONGUEUR

Tolerances/Toleranzen
Tolleranze/Tolérances

Acc. ISO 1307

Weight : ± 5 % (All dimensions)
Gewicht : ± 5 % (Alle dimensionen)
Peso : ± 5 % (Tutte le dimensioni)
Poids : ± 5 % (Tous les diametres)

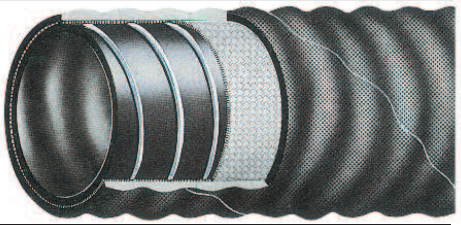
★ OTHER COLOURS AND DIAMETERS AVAILABLE UPON REQUEST.
★ AUF ANFRAGE KÖNNEN VERSCHIEDENE FARBEN UND MASSE PRODUZIERT WERDEN.
★ DIVERSI COLORI E DIMENSIONI DISPONIBILI SU RICHIESTA.
★ D'AUTRES COULEURS ET DIAMETRES DISPONIBLES SUR DEMANDE.

★ For further details please contact our sales department.
★ Für die weitere informationen steht unser Verkaufsteam Ihnen jederzeit zur Verfügung.
★ Per l'informazione dettagliata prego di contattarci con il dipartimento di vendita.
★ Pour plus de détails s'il vous plaît contactez notre service commercial.

★ **Our company reserves the right of changing hose construction specifications due to technologic obligations and developments.**
★ **Unsere Firma behält sich das Recht vor, ohne vorherige Ankündigung Änderungen an den technischen Eigenschaften und Abmessungen der Schläuche vorzunehmen, die der Qualitätsverbesserung und Weiterentwicklung dienen.**
★ **La nostra firma si riserva la facoltà di modificare tutto o in parte il presente catalogo; declina inoltre ogni responsabilità per utilizzi dei propri prodotti diversi da quelli indicati.**
★ **Notre societé se réserve le droit de changer les spécifications de construction en raison des obligations et des développements technologiques.**

Air - Gas
Воздух - Газ
Aria - Gas
Air - Gaz

Dust and Air Suction
РУКАВ ВОЗДУШНЫЙ ВСАСЫВАЮЩИЙ



TUBE	:	NATURAL AND SYNTHETIC RUBBER.
REINFORCEMENT	:	SYNTHETIC TEXTILE AND STEEL HELIX WIRE.
COVER	:	ABRASION, OZONE, WEATHER AND HEAT RESISTANT SYNTHETIC RUBBER-CORRUGATED.
APPLICATION	:	FOR SUCTION AND DELIVERY OF AIR,DUST,GRAIN, POWDER ETC.

РЕЗИНА	:	НАТУРАЛЬНЫЙ И СИНТЕТИЧЕСКИЙ КАУЧУК.
УСИЛЕНИЕ	:	СИНТЕТИЧЕСКИЙ ТЕКСТИЛЬ. СПИРАЛЬНАЯ СТАЛЬНАЯ ПРОВОЛОКА.
УСТОЙЧИВ К	:	АБРАЗИВНОМУ ИЗНОСУ, АЗОНУ, АТМОСФЕРНЫМ ВОЗДЕЙСТВИЯМ, ЖАРОСТОЙКИЙ СИНТЕТИЧЕСКИЙ РИФЛЕНЫЙ КАУЧУК.
ПРИМЕНЕНИЕ	:	ДЛЯ ВСАСЫВАНИЯ И ПОДАЧИ ВОЗДУХА, ПЫЛИ, ЗЕРНА, ПОРОШКОВ И ДР.

SOTTOSTRATO	:	GOMMA NATURALE E SINTETICA.
RINFORZO	:	INSERZIONI TESSILI E SPIRALE D'ACCIAIO INCORPORATA.
COPERTURA	:	GOMMA SINTETICA RESISTENTE ALL'ABRASIONE, ALL'OZONO, AL CALORE ED AGLI AGENTI ATMOSFERICI-ONDULATO.
IMPIEGO	:	ASPIRAZIONE D'ARIA, FUMI E POLVERI, ETC.

TUBE	:	CAOUTCHOUC NATUREL ET SYNTHETIQUE.
RENFORCEMENT	:	INSERTION TEXTILE HAUTE TENACITE ET SPIRALE EN ACIER NOYEE.
REVETEMENT	:	CAOUTCHOUC SYNTHETIQUE RESISTANT A L'ABRASION, A LA CHALEUR, A L'OZONE ET AUX AGENTS ATMOSPHERIQUES. - ONDULE.
APPLICATION	:	POUR ASPIRATION ET REFOULEMENT D'AIR, DE POUSSIERE, DE GRAINS ET DE POUDRE ETC.

ID		OD	VACUUM	BR/r	W	L
inch	mm	mm	bar	mm	g/m	m
1"	25.4	32	-0.60	40	417	1-46
1 1/4"	32	39	-0.60	60	617	1-46
1 1/2"	38	45	-0.60	75	721	1-46
1 3/4"	44.5	52	-0.60	90	806	1-46
2"	50.8	58	-0.60	100	912	1-46
2 1/2"	63.5	72	-0.60	125	1407	1-46
3"	76.2	84.5	-0.60	150	1694	1-46
4"	101.6	110	-0.60	200	2336	1-46
5"	127	135	-0.60	295	3176	1-46
6"	152.4	162	-0.60	380	4171	1-46
8"	203.2	214	-0.60	700	6282	20
10"	254	267	-0.60	1000	8795	20
12"	319	315	-0.60	1400	10430	10

-20˚C / + 70˚C
-40˚F / +158˚F

MARKING / МАРКИРОВКА / MARCATURA / MARQUAGE: **EMBOSSED OR INK JET**

SEL MARS **DUST AND AIR SUCTION HOSE**

NORMS СТАНДАРТ NORME NORMES	ISO 1307	COLOUR ЦВЕТ COLORI COULEUR	

Material Handling

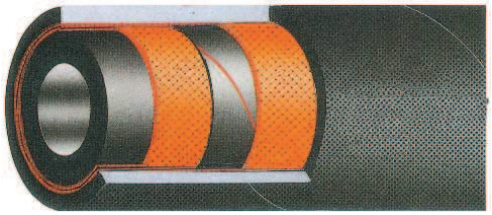
Пескоструйные

Prodotti Abrasivi

Produits Abrasifs

Sandblast
РУКАВ ПЕСКОТРУЙНЫЙ

≤ 60mm³



TUBE : ABRASION RESISTANT, ANTISTATIC NATURAL RUBBER.
REINFORCEMENT : HIGH TENSILE SYNTHETIC TEXTILE AND ANTISTATIC COPPER WIRE.
COVER : ABRASION, OZONE AND WEATHER RESISTANT PIN-PRICKED NATURAL AND SYNTHETIC RUBBER.
APPLICATION : FOR CLEANING AND BLASTING METAL, STONE AND CONCRETE SURFACES.

РЕЗИНА : ИЗНОСОСТОЙКИЙ. АНТИСТАТИЧЕСКИЙ НАТУРАЛЬНЫЙ КАУЧУК.
УСИЛЕНИЕ : ВЫСОКОПРОЧНЫЙ НА РАСТЯЖЕНИЕ СИНТЕТИЧЕСКИЙ ТЕКСТИЛЬ С АНТИСТАТИЧЕСКОЙ МЕДНОЙ ПРОВОЛОКОЙ.
УСТОЙЧИВ К : АЗОНУ, АТМОСФЕРНЫМ ВОЗДЕЙСТВИЯМ И АБРАЗИВНОМУ ИЗНОСУ.
ПРИМЕНЕНИЕ : ДЛЯ ПОДАЧИ АБРАЗИВНЫХ ВЕЩЕСТВ. ДЛЯ ПЕСКОСТРУЙНОЙ И ДРОБЕСТРУЙНОЙ ОЧИСТКИ.

SOTTOSTRATO : GOMMA NATURALE ANTISTATICA, RESISTENTE ALL'ABRASIONE.
RINFORZO : INSERZIONI TESSILI AD ALTA TENACITÀ CON CORDICELLA DI RAME ANTISTATICA.
COPERTURA : GOMMA NATURALE E SINTETICA MICRO-FORATA, RESISTENTE ALL'ABRASIONE, ALL'OZONO ED AGLI AGENTI ATMOSFERICI.
IMPIEGO : PER MANDATA DI MATERIALI ABRASIVI NEGLI IMPIANTI DI SABBIATURA E GRANIGLIA.

TUBE : CAOUTCHOUC NATUREL CONDUCTEUR, RESISTANT A L'ABRASION.
RENFORCEMENT : NSERTION TEXTILE HAUTE TENACITE ET FIL DE MASSE ANTISTATIQUE.
REVETEMENT : CAOUTCHOUC SYNTHETIQUE ET NATUREL, MICROPERFORE, RESISTANT A L'ABRASION, A L'OZONE ET AUX AGENTS ATMOSPHERIQUES.
APPLICATION : UTILISE DANS LES MACHINES DE SABLAGE POUR NETTOYER LES SURFACES METALLIQUES, FAÇADES ETC.

ID		OD	WP		BP		BR/r	W	L
inch	mm	mm	bar	psi	bar	psi	mm	g/m	m
1/2"	12.7	25	12	174	36	522	65	414	40-46-61
1/2"	12.7	27	12	174	36	522	60	495	40-46-61
5/8"	16	28	12	174	36	522	85	476	40-46-61
5/8"	16	30	12	174	36	522	80	578	40-46-61
3/4"	19	30	12	174	36	522	100	486	40-46-61
3/4"	19	31	12	174	36	522	95	530	40-46-61
3/4"	19	33	12	174	36	522	90	653	40-46-61
1"	25.4	39	12	174	36	522	125	813	40-46-61
1 1/4"	32	48	12	174	36	522	160	1160	40-46-61
1 1/2"	38	54	12	174	36	522	200	1337	40-46-61
1 1/2"	38	56	12	174	36	522	190	1531	40-46-61
1 3/4"	44.5	60	12	174	36	522	280	1468	40-46-61
1 3/4"	44.5	63	12	174	36	522	270	1820	40-46-61
2"	50.8	69	12	174	36	522	325	2030	40-46-61
2"	50.8	73	12	174	36	522	315	2484	40-46-61
2 1/2"	63.5	82	12	174	36	522	400	2626	40-46-61
3"	76.2	96	12	174	36	522	450	3090	40-46-61
4"	101.6	122	12	174	36	522	600	4220	40-46-61

Abrasion loss value: Acc DIN 53516 ≤ 60 mm³
Истирание по DIN 53516 ≤ 60 мм³
Perdita d'abrasione in accordo alla norma DIN 53516 ≤ 60 mm³
Indice d'abrasion: Selon la norme DIN 53516 ≤ 60 mm³

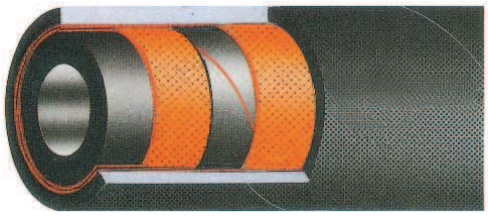
-40˚C / + 70˚C
-40˚F / +158˚F

MARKING / МАРКИРОВКА / MARCATURA / MARQUAGE: **TRANSFER TAPE OR EMBOSSED**

SEL KUM SANDBLAST HOSE - TS 5928 - EN ISO 3861 W.P. 12 Bar (174 PSI)

NORMS СТАНДАРТ NORME NORMES	TS 5928 EN ISO 3861 EN ISO 3861 ISO 1307	COLOUR ЦВЕТ COLORI COULEUR	

Cement Discharge
РУКАВ ДЛЯ ПОДАЧИ ЦЕМЕНТА



TUBE : ABRASION RESISTANT ANTISTATIC NATURAL RUBBER.
REINFORCEMENT : HIGH TENSILE SYNTHETIC TEXTILE AND ANTISTATIC COPPER WIRE.
COVER : ABRASION, OZONE AND WEATHER RESISTANT PIN-PRICKED SPECIAL SYNTHETIC RUBBER.
APPLICATION : FOR DISCHARGE OF DRY BULK MATERIALS, SAND, GRAVEL, DRY CEMENT ETC.

РЕЗИНА : ИЗНОСОСТОЙКИЙ, АНТИСТАТИЧЕСКИЙ НАТУРАЛЬНЫЙ КАУЧК.
УСИЛЕНИЕ : ВЫСОКОПРОЧНЫЙ НА РАСТЯЖЕНИЕ СИНТЕТИЧЕСКИЙ ТЕКСТИЛЬ С АНТИСТАТИЧЕСКОЙ МЕДНОЙ ПРОВОЛОКОЙ.
УСТОЙЧИВ К : АЗОНУ, АТМОСФЕРНЫМ ВОЗДЕЙСТВИЯМ И АБРАЗИВНОМУ ИЗНОСУ, ПРОКОЛОСТОЙКИЙ СИНТЕТИЧЕСКИЙ КАУЧУК.
ПРИМЕНЕНИЕ : ДЛЯ ПЕРЕКАЧКИ СЫПУЧИХ МАТЕРИАЛОВ, СУХОЙ ЦЕМЕНТ, ПЕСОК, КАМЕНЬ И ДР.

SOTTOSTRATO : GOMMA NATURALE ANTISTATICA, RESISTENTE ALL'ABRASIONE.
RINFORZO : INSERZIONI TESSILI AD ALTA TENACITÀ CON CORDICELLA DI RAME ANTISTATICA.
COPERTURA : GOMMA SPECIALE SINTETICA MICRO-FORATA, RESISTENTE ALL'ABRASIONE, ALL'OZONO ED AGLI AGENTI ATMOSFERICI.
IMPIEGO : PER MANDATA DI CEMENTO SECCO, SABBIA, GHIAIA, MATERIALI ABRASIVI ETC.

TUBE : CAOUTCHOUC NATUREL CONDUCTEUR, RESISTANT A L'ABRASION.
RENFORCEMENT : INSERTION TEXTILE HAUTE TENACITE ET FIL DE MASSE ANTISTATIQUE.
REVETEMENT : CAOUTCHOUC SYNTHETIQUE, MICROPERFORE, RESISTANT A L'ABRASION, A L'OZONE ET AUX AGENTS ATMOSPHERIQUES.
APPLICATION : POUR REFOULEMENT DU MATERIEL SEC EN VRAC, SABLE, GRANULE, CIMENT SEC ETC.

ID		OD	WP		BP		BR/r	W	L
inch	mm	mm	bar	psi	bar	psi	mm	g/m	m
1"	25.4	37	10	145	30	435	150	622	40-46-61
1 1/4"	32	44	10	145	30	435	190	817	40-46-61
1 1/2"	38	50	10	145	30	435	240	945	40-46-61
1 3/4"	44.5	58	10	145	30	435	300	1270	40-46-61
2"	50.8	64.5	10	145	30	435	350	1421	40-46-61
2 1/2"	63.5	77	10	145	30	435	440	1733	40-46-61
3"	76.2	90	10	145	30	435	500	2090	40-46-61
3 1/2"	90	104	10	145	30	435	600	2564	40-46-61
4"	101.6	118	10	145	30	435	750	3252	40-46-61
5"	127	146	10	145	30	435	900	4840	40-46-61
6"	152.4	172	10	145	30	435	1200	6000	40-46-61
8"	203.2	225	10	145	30	435	1800	8705	20-40
10"	254	276	10	145	30	435	2400	11397	20

Abrasion loss value: Acc DIN 53516 ≤ 60 mm³
Истирание по DIN 53516 ≤ 60 мм³
Perdita d'abrasione in accordo alla norma DIN 53516 ≤ 60 mm³
Indice d'abrasion: Selon la norme DIN 53516 ≤ 60 mm³

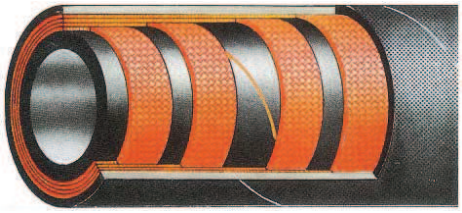
-40°C / + 70°C
-40°F / +158°F

MARKING / МАРКИРОВКА / MARCATURA / MARQUAGE: **TRANSFER TAPE OR EMBOSSED**

SEL CIMENTO CEMENT DISCHARGE HOSE W.P. 10 Bar (145 PSI)

NORMS СТАНДАРТ NORME NORMES	ISO 1307	COLOUR ЦВЕТ COLORI COULEUR	

Plaster&Grout Spraying
РУКАВ ДЛЯ ПОДАЧИ ШТУКАТУРКИ



TUBE	:	ABRASION RESISTANT ANTISTATIC NATURAL RUBBER.
REINFORCEMENT	:	HIGH TENSILE SYNTHETIC TEXTILE AND ANTISTATIC COPPER WIRE.
COVER	:	ABRASION, OZONE AND WEATHER RESISTANT PIN-PRICKED SPECIAL SYNTHETIC RUBBER.
APPLICATION	:	FOR SPRAYING PLASTER, GROUT, SAND, GYPSUM, READY MIXED CONCRETE.
РЕЗИНА	:	ИЗНОСОСТОЙКИЙ, АНТИСТАТИЧЕСКИЙ НАТУРАЛЬНЫЙ КАУЧК.
УСИЛЕНИЕ	:	ВЫСОКОПРОЧНЫЙ НА РАСТЯЖЕНИЕ СИНТЕТИЧЕСКИЙ ТЕКСТИЛЬ С АНТИСТАТИЧЕСКОЙ МЕДНОЙ ПРОВОЛОКОЙ.
УСТОЙЧИВ К	:	АЗОНУ, АТМОСФЕРНЫМ ВОЗДЕЙСТВИЯМ И АБРАЗИВНОМУ ИЗНОСУ, ПРОКОЛОСТОЙКИЙ СИНТЕТИЧЕСКИЙ КАУЧУК.
ПРИМЕНИНИЕ	:	ДЛЯ ПОДАЧИ ПЕСКА, ШТУКАТУРКИ, ГИПСА, БЕТОНА И ДР.
SOTTOSTRATO	:	GOMMA NATURALE ANTISTATICA, RESISTENTE ALL'ABRASIONE.
RINFORZO	:	INSERZIONI TESSILI AD ALTA TENACITÀ CON CORDICELLA DI RAME ANTISTATICA.
COPERTURA	:	GOMMA SPECIALE SINTETICA MICRO-FORATA, RESISTENTE ALL'ABRASIONE, ALL'OZONO ED AGLI AGENTI ATMOSFERICI.
IMPIEGO	:	PER MANDATA DI BETONCINO, INTONACO, SABBIA, GESSO E MALTE.
TUBE	:	CAOUTCHOUC NATUREL CONDUCTEUR, RESISTANT A L'ABRASION.
RENFORCEMENT	:	INSERTION TEXTILE HAUTE TENACITE ET FIL DE MASSE ANTISTATIQUE.
REVETEMENT	:	CAOUTCHOUC SYNTHETIQUE, MICROPERFORE, RESISTANT A L'ABRASION, A L'OZONE ET AUX AGENTS ATMOSPHERIQUES.
APPLICATION	:	POUR LA PROJECTION DU PLATRE, GYPSE, SABLE ET BETON MELANGE.

ID		OD	WP		BP		BR/r	W	L
inch	mm	mm	bar	psi	bar	psi	mm	g/m	m
3/4"	19	31	40	580	120	1740	90	540	40-46-61
1"	25.4	37	40	580	120	1740	120	651	40-46-61
1"	25.4	38	40	580	120	1740	110	752	40-46-61
1 3/16"	30	44	40	580	120	1740	150	953	40-46-61
1 1/4"	32	46	40	580	120	1740	160	1026	40-46-61
1 3/8"	35	49	40	580	120	1740	175	1104	40-46-61
1 1/2"	38	54	40	580	120	1740	190	1426	40-46-61
1 3/4"	44.5	61	40	580	120	1740	225	1626	40-46-61
2"	50.8	68	40	580	120	1740	280	1961	40-46-61
2 3/8"	60	80	40	580	120	1740	340	2722	40-46-61
2 1/2"	63.5	83.5	40	580	120	1740	375	2860	40-46-61
2 5/8"	65	85	40	580	120	1740	390	2925	40-46-61
2 3/4"	70	90	40	580	120	1740	425	2875	40-46-61
3"	76.2	96.2	40	580	120	1740	440	3141	40-46-61
4"	101.6	122	40	580	120	1740	580	4138	40-46-61
5"	127	155	40	580	120	1740	750	6850	40-46-61

Abrasion loss value: Acc DIN 53516 ≤ 60 mm^3
Истирание DIN 53516 ≤ 60 $мм^3$
Perdita d'abrasione in accordo alla norma DIN 53516 ≤ 60 mm^3
Indice d'abrasion: Selon la norme DIN 53516 ≤ 60 mm^3

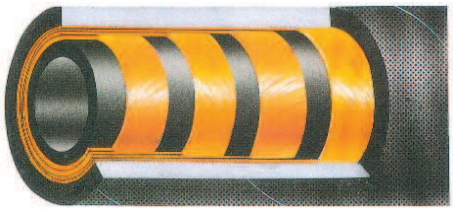
-40˚C / + 70˚C
-40˚F / +158˚F

MARKING / МАРКИРОВКА / MARCATURA / MARQUAGE: **TRANSFER TAPE OR EMBOSSED**

SEL **SIVA 40** **PLASTER & GROUT SPRAYING HOSE W.P. 40 Bar (580 PSI)**

NORMS СТАНДАРТ NORME NORMES	ISO 1307	COLOUR ЦВЕТ COLORI COULEUR	

Steel Wire Reinforced Concrete Pumping
РУКАВ ДЛЯ ПОДАЧИ БЕТОНА



TUBE : ABRASION RESISTANT ANTISTATIC NATURAL AND CBR RUBBER.
REINFORCEMENT : HIGH TENSILE STEEL CORDS.
COVER : ABRASION, OZONE AND WEATHER RESISTANT PIN-PRICKED SPECIAL SYNTHETIC RUBBER.
APPLICATION : FOR HIGH PRESSURE CONCRETE PUMPING AND PLACING USED IN THE END OF BOOM OF CONCRETE PUMP.

РЕЗИНА : ИЗНОСОСТОЙКИЙ, АНТИСТАТИЧЕСКИЙ НАТУРАЛЬНЫЙ И CBR КАУЧК.
УСИЛЕНИЕ : СТАЛЬНОЙ КОРД .
УСТОЙЧИВ К : АЗОНУ, АТМОСФЕРНЫМ ВОЗДЕЙСТВИЯМ И АБРАЗИВНОМУ ИЗНОСУ, ПРОКОЛОСТОЙКИЙ СИНТЕТИЧЕСКИЙ КАУЧУК.
ПРИМЕНЕНИЕ : ДЛЯ ПОДАЧИ БЕТОНА ПОД ВЫСОКИМ ДАВЛЕНИЕМ ПРИ ПОМОЩИ БЕТОНОНАСОСА.

SOTTOSTRATO : GOMMA SPECIALE NATURALE/ CBR ANTISTATICA, RESISTENTE ALL'ABRASIONE.
RINFORZO : CORDINE D'ACCIAIO AD ALTA TENACITÀ.
COPERTURA : GOMMA SPECIALE SINTETICA MICRO-FORATA, RESISTENTE ALL'ABRASIONE, ALL'OZONO ED AGLI AGENTI ATMOSFERICI.
IMPIEGO : PER POMPAGGIO E DIFFUSIONE DI CALCESTRUZZO AD ALTA PRESSIONE.

TUBE : CAOUTCHOUC NATUREL ET CBR CONDUCTEUR, RESISTANT A L'ABRASION.
RENFORCEMENT : NAPPES METALLIQUES HAUTE TENACITE.
REVETEMENT : CAOUTCHOUC SYNTHETIQUE, MICROPERFORE, RESISTANT A L'ABRASION, A L'OZONE ET AUX AGENTS ATMOSPHERIQUES.
APPLICATION : POUR POMPER ET PLACER LE BETON A HAUTE PRESSIONE UTILISE EN BOUT DE FLECHE DE LA POMPE A BETON.

ID		OD	WP		BP		BR/r	W	L
inch	mm	mm	bar	psi	bar	psi	mm	g/m	m
2"	50.8	70	85	1232	200	2900	200	3030	40-61
2 1/2"	63.5	88	85	1232	200	2900	240	4480	40-61
3"	76.2	102	85	1232	200	2900	275	5460	40-61
4"	101.6	130	85	1232	200	2900	350	8460	40-61
5"	127	155	85	1232	200	2900	425	9625	40-61
6"	152. 4	180	85	1232	175	2538	650	10990	40-61

Abrasion loss value: Acc DIN 53516 ≤ 60 mm^3
Истирание DIN 53516 ≤ 60 $мм^3$
Perdita d'abrasione in accordo alla norma DIN 53516 ≤ 60 mm^3
Indice d'abrasion: Selon la norme DIN 53516 ≤ 60 mm^3

OPTIONS / ОПЦИИ / OPZIONI / OPTIONS

Upon Request : Supplied with swaged on SEL hardened couplings.
По требованию: Комплектуется фланцами производства SEL.
Su Richiesta : Fornitto con raccordi pressati SEL cementati.
Sur Demande : Fourni avec des raccords sertis SEL cementes.

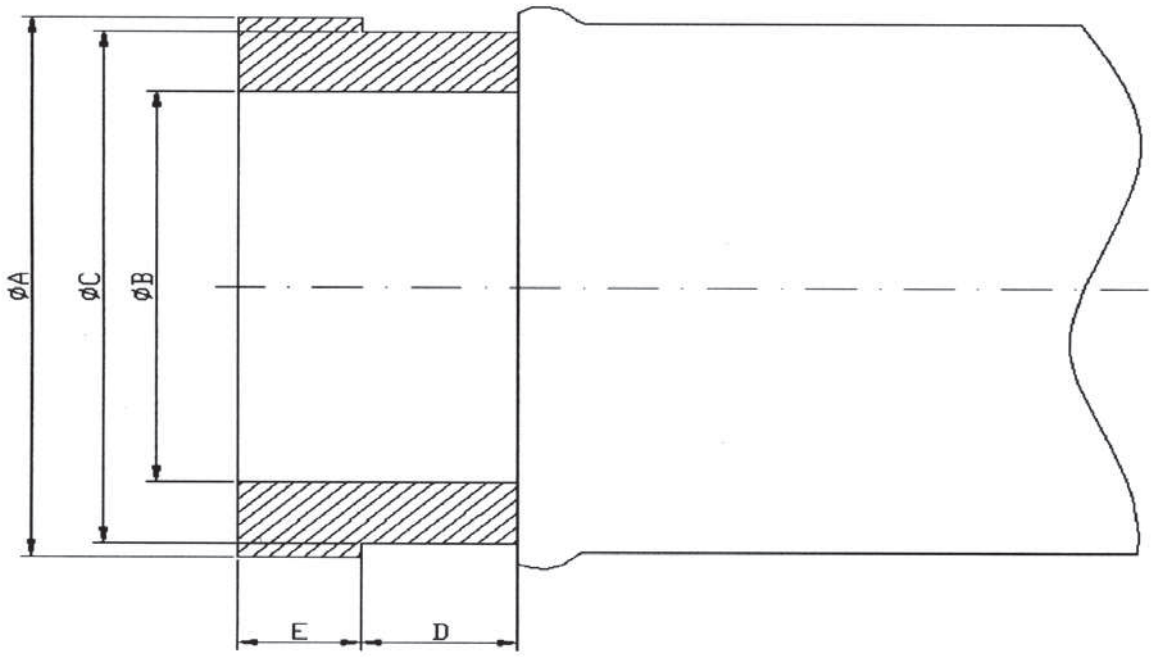
-40˚C / + 70˚C
-40˚F / +158˚F

MARKING / МАРКИРОВКА / MARCATURA / MARQUAGE: **TRANSFER TAPE OR EMBOSSED**

SEL BETON UC 85 STEEL WIRE REINFORCED CONCRETE PUMPING HOSE W.P. 85 Bar (1232 PSI)

NORMS СТАНДАРТ NORME NORMES	ISO 1307	COLOUR ЦВЕТ COLORI COULEUR	

Steel Wire Reinforced Concrete Pumping
ФЛАНЕЦ ДЛЯ БЕТОННОГО РУКАВА



	2 1/2”	3”	4”	4 1/2”	5”	5 1/2”	6”
Ø A	89.0 mm	90.0 mm	114.3 mm	127.5 mm	142 mm	148 mm	175 mm
Ø B	64.4 mm	77.0 mm	98 mm	98.0 mm	124 mm	124 mm	147 mm
Ø C	84.6 mm	84.5 mm	108 mm	114.6 mm	133 mm	139 mm	162 mm
D	20.0 mm	18.0 mm	18 mm	18.0 mm	18 mm	18 mm	18 mm
E	16.0 mm	16.5 mm	17 mm	17.0 mm	17 mm	17 mm	17 mm

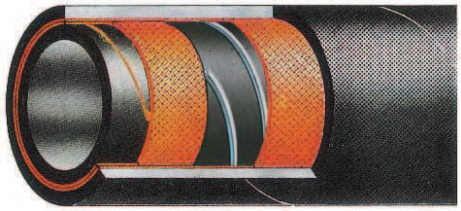
The inner part is hardened to min. 700 Hv* 0.4 mm. DEPTH. Мин.
Твердость внутренней часть 700 кг-с/мм^2 толщиной 0,4 мм
Parte interiore indurito al min. 700 vickers * 0.4 mm di PROFONDITA
La partie interieure est endurcie a min. 700 Hv. * 0.4 mm de PROFONDEUR

Material / Материал / Materiale / Materiel:
ST 52.0 DIN-1629 / ST 52.3-Din 17121/ ST 52.4-DIN 1630
ASTM A 106 grade a or grade B api 5L Grade A or B

OPTIONS / ОПЦИИ / OPZIONI / OPTIONS
Upon Request : Heavy Duty Type.
По требованию: Рукав высокого давления
Su Richiesta : Per le applicazioni severe
Sur Demande : Pour applications sévères

Oil & Petroleum
Нефть и Масло
Prodotti Petroliferi
Hydrocarbures

Oil S&D 10 Bar
РУКАВ ДЛЯ БЕНЗИНА НАПОР.-ВСАС.



TUBE : OIL AND PETROL RESISTANT, BLACK NBR.
REINFORCEMENT : HIGH TENSILE SYNTHETIC TEXTILE,STEEL WIRE HELIX AND ANTISTATIC COPPER WIRE.
COVER : OIL,WEATHER,OZONE ,ABRASION RESISTANT SPECIAL SYNTHETIC RUBBER.
APPLICATION : FOR SUCTION AND DISCHARGE OF PETROLEUM PRODUCTS WITH AROMATIC CONTENT UP TO %50.

РЕЗИНА : МАСЛО И БЕНЗОСТОЙКИЙ NBR ЧЕРНОГО ЦВЕТА.
УСИЛЕНИЕ : ВЫСОКОПРОЧНЫЙ НА РАСТЯЖЕНИЕ СИНТЕТИЧЕСКИЙ ТЕКСТИЛЬ С АНТИСТАТИЧЕСКОЙ МЕДНОЙ ПРОВОЛОКОЙ.
УСТОЙЧИВ К : АЗОНУ, АТМОСФЕРНЫМ ВОЗДЕЙСТВИЯМ И ИСТИРАНИЮ СПЕЦИАЛЬНЫЙ СИНТЕТИЧЕСКИЙ КАУЧУК.
ПРИМЕНЕНИЕ : НАПОРНО-ВСАСЫВАЮЩИЙ РУКАВ ДЛЯ НЕФТЕПРОДУКТОВ С СОДЕРЖАНИЕМ АРОМАТИЧЕСКИХ ВЕЩЕСТВ ДО 50%.

SOTTOSTRATO : GOMMA NBR NERA, RESISTENTE AI PRODOTTI PETROLIFERI.
RINFORZO : INSERZIONI TESSILI AD ALTA TENACITÁ CON SPIRALE D'ACCIAIO E CORDICELLA DI RAME ANTISTATICA.
COPERTURA : GOMMA SPECIALE SINTETICA NERA, RESISTENTE AGLI OLI, ALL'OZONO, ALL'ABRASIONE ED AGLI AGENTI ATMOSFERICI.
IMPIEGO : PER ASPIRAZIONE E MANDATA DI PRODOTTI PETROLIFERI CON CONTENUTO AROMATICO FINO AL 50%.

TUBE : CAOUTCHOUC NBR, NOIR, RESISTANT AUX HUILES ET AUX HYDROCARBURES.
RENFORCEMENT : INSERTION TEXTILE HAUTE TENACITE, SPIRALE EN ACIER ET FIL DE MASSE ANTISTATIQUE.
REVETEMENT : CAOUTCHOUC SYNTHETIQUE SPECIAL, RESISTANT AUX HUILES, A L'ABRASION, A L'OZONE ET AUX AGENTS ATMOSPHERIQUES.
APPLICATION : POUR ASPIRATION ET REFOULEMENT D'HYDROCARBURES A TENEUR EN AROMATIQUES JUSQU'A 50%.

ID		OD	WP		BP		VACUUM	BR/r	W	L
inch	mm	mm	bar	psi	bar	psi	bar	mm	g/m	m
1"	25.4	36	10	145	30	435	-0.92	75	707	40-46-61
1 1/4"	32	43	10	145	30	435	-0.92	85	914	40-46-61
1 1/2"	38	49	10	145	30	435	-0.92	110	1155	40-46-61
1 3/4"	44.5	56	10	145	30	435	-0.92	150	1363	40-46-61
2"	50.8	63	10	145	30	435	-0.92	170	1644	40-46-61
2 1/2"	63.5	76	10	145	30	435	-0.92	210	2129	40-46-61
3"	76.2	89	10	145	30	435	-0.92	230	2768	40-46-61
3 1/2"	90	105	10	145	30	435	-0.92	300	3605	40-46-61
4"	101.6	117	10	145	30	435	-0.92	400	4035	40-46-61
5"	127	145	10	145	30	435	-0.92	550	6210	40-46-61
6"	152.4	170	10	145	30	435	-0.92	675	7750	40-46-61

OPTIONS / ОПЦИИ / OPZIONI / OPTIONS

Tube upon request : Conductive (Ω)
Рукав по запросу : Проводящий (Ω)
Sottostrato su richiesta : Conduttiva (Ω)
Tube sur demande : Conducteur (Ω)

-35˚C / + 70˚C (OPTIONAL -55˚C /+ 80˚C)
-31˚F / +158˚F (OPTIONAL -67˚F /+176˚F)

MARKING / МАРКИРОВКА / MARCATURA / MARQUAGE: **TRANSFER TAPE OR EMBOSSED**

SEL YAKIT SD / 10 OIL S / D HOSE - W.P. 10 Bar (145 PSI)

NORMS СТАНДАРТ NORME NORMES	ISO 1307	COLOUR ЦВЕТ COLORI COULEUR	

Petroleum Dispensing

Заправочные

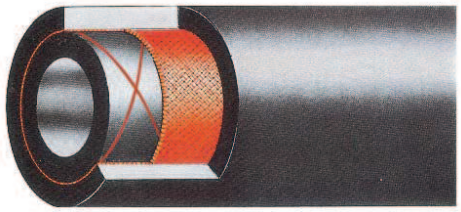
Distribuzione del Carburante

Distribution Carburant

OPL441

Petrol Pump
РУКАВ БЕНЗИНОВЫЙ

-30 °C



TUBE	:	OIL, GASOLINE AND DIESEL RESISTANT SMOOTH, BLACK, NITRILE RUBBER.
REINFORCEMENT	:	HIGH TENSILE SYNTHETIC TEXTILE AND ANTISTATIC COPPER WIRE.
COVER	:	FLAME, OIL, FUEL, ABRASION, OZONE, HEAT AND WEATHER RESISTANT, SYNTHETIC RUBBER.
APPLICATION	:	FOR ALL TYPES OF GASOLINE DISPENSING APPLICATIONS. (REGULAR, PREMIUM GASOLINE AND DIESEL).

РЕЗИНА	:	НИТРИЛЬНЫЙ КАУЧУК ЧЕРНЫЙ, УСТОЙЧИВЫЙ К НЕФТЕПРОДУКТАМ .
УСИЛЕНИЕ	:	ВЫСОКОПРОЧНЫЙ НА РАСТЯЖЕНИЕ СИНТЕТИЧЕСКИЙ ТЕКСТИЛЬ С АНТИСТАТИЧЕСКОЙ МЕДНОЙ ПРОВОЛОКОЙ.
УСТОЙЧИВ К	:	ПЛАМЕНИ, НЕФТИ, ТОПЛИВУ, ТРЕНИЮ, ОЗОНУ, ВЫСОКОЙ ТЕМПЕРАТУРЕ И ПОГОДНЫМ ВОЗДЕЙСТВИЯМ, СИНТЕТИЧЕСКИЙ КАУЧУК.
ПРИМЕНЕНИЕ	:	РУКАВ ДЛЯ ЗАПРАВОЧНЫХ КОЛОНОК (БЕНЗИН, ДИЗЕЛЬ).

SOTTOSTRATO	:	GOMMA NITRILICA NERA, RESISTENTE AI PRODOTTI PETROLIFERI.
RINFORZO	:	INSERZIONI TESSILI AD ALTA TENACITÁ E CORDICELLA DI RAME ANTISTATICA.
COPERTURA	:	GOMMA SPECIALE RESISTENTE AGLI OLI, ALLA FIAMMA, ALL'OZONO , ALL 'ABRASIONE ET AGLI AGENTI ATMOSFERICI.
IMPIEGO	:	EROGAZIONE DI CARBURANTI NELLE STAZIONI DI SERVIZIO (BENZINA, BENZINA VERDE, GASOLIO).

TUBE	:	CAOUTCHOUC NITRILE, NOIR LISSE RESISTANT AUX HUILES, A L'ESSENCE, AU GAZ-OIL.
RENFORCEMENT	:	INSERTION TEXTILE HAUTE TENACITE ET FIL DE MASSE ANTISTATIQUE.
REVETEMENT	:	CAOUTCHOUC SYNTHETIQUE, RESISTANT A LA FLAMME, AUX HUILES, A L'ESSENCE, A L'ABRASION, A L'OZONE, A LA CHALEUR ET AUX AGENTS ATMOSPHERIQUES.
APPLICATION	:	POUR LES EQUIPEMENTS DES POMPES A ESSENCES POUR LA DISTRIBUTION VOLUMETRIQUE DE CARBURANT. (ESSENCE ORDINAIRE, SUPER, SANS PLOMB ET GAZ-OIL.).

ID		OD	WP		BP		BR/r	W	L
inch	mm	mm	bar	psi	bar	psi	mm	g/m	m
1/2"	12.7	21.5	16	232	48	696	50	295	>6
5/8"	16	26	16	232	48	696	70	425	>6
3/4"	19	29	16	232	48	696	95	475	>6
1"	25.4	36.5	16	232	48	696	130	690	>6

OPTIONS / ОПЦИИ / OPZIONI / OPTIONS

Tube upon request	: Conductive (Ω)
Рукав по запросу	: Проводящий (Ω)
Sottostrato su richiesta	: Conduttiva (Ω)
Tube sur demande	: Conducteur (Ω)

-30˚C / + 55˚C (OPTIONAL -40˚C /+ 55˚C)
-22˚F / +131˚F (OPTIONAL -40˚F /+ 131˚F)

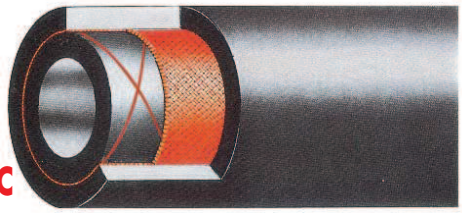
MARKING / МАРКИРОВКА / MARCATURA / MARQUAGE: **EMBOSSED, INK JET OR TRANSFER TAPE**

SEL POMPA/L **PETROL PUMP HOSE - TS EN 1360 - Type 1 - M - NT - W.P. 16 BAR (232 PSI)**

NORMS СТАНДАРТ NORME NORMES	TS EN 1360 TYPE 1 ISO 1307	COLOUR ЦВЕТ COLORI COULEUR	

OPL44U

Petrol Pump
РУКАВ БЕНЗИНОВЫЙ



U_L -54 °C

TUBE	:	OIL, GASOLINE AND DIESEL RESISTANT SMOOTH, BLACK, NITRILE RUBBER.
REINFORCEMENT	:	HIGH TENSILE SYNTHETIC TEXTILE AND ANTISTATIC COPPER WIRE.
COVER	:	FLAME, OIL, FUEL, ABRASION, OZONE, HEAT AND WEATHER RESISTANT, SYNTHETIC RUBBER.
APPLICATION	:	FOR ALL TYPES OF GASOLINE DISPENSING APPLICATIONS. (REGULAR, PREMIUM GASOLINE AND DIESEL).

РЕЗИНА	:	НИТРИЛЬНЫЙ КАУЧУК ЧЕРНЫЙ, УСТОЙЧИВЫЙ К НЕФТЕПРОДУКТАМ .
УСИЛЕНИЕ	:	ВЫСОКОПРОЧНЫЙ НА РАСТЯЖЕНИЕ СИНТЕТИЧЕСКИЙ ТЕКСТИЛЬ С АНТИСТАТИЧЕСКОЙ МЕДНОЙ ПРОВОЛОКОЙ.
УСТОЙЧИВ К	:	ПЛАМЕНИ, НЕФТИ, ТОПЛИВУ, ТРЕНИЮ, ОЗОНУ, ВЫСОКОЙ ТЕМПЕРАТУРЕ И ПОГОДНЫМ ВОЗДЕЙСТВИЯМ, СИНТЕТИЧЕСКИЙ КАУЧУК.
ПРИМЕНЕНИЕ	:	РУКАВ ДЛЯ ЗАПРАВОЧНЫХ КОЛОНОК (БЕНЗИН, ДИЗЕЛЬ).

SOTTOSTRATO	:	GOMMA NITRILICA NERA, RESISTENTE AI PRODOTTI PETROLIFERI.
RINFORZO	:	INSERZIONI TESSILI AD ALTA TENACITÁ E CORDICELLA DI RAME ANTISTATICA.
COPERTURA	:	GOMMA SPECIALE RESISTENTE AGLI OLI, ALLA FIAMMA, ALL'OZONO, ALL 'ABRASIONE ET AGLI AGENTI ATMOSFERICI.
IMPIEGO	:	EROGAZIONE DI CARBURANTI NELLE STAZIONI DI SERVIZIO (BENZINA, BENZINA VERDE, GASOLIO)

TUBE	:	CAOUTCHOUC NITRILE, NOIR LISSE RESISTANT AUX HUILES, A L'ESSENCE, AU GAZ-OIL.
RENFORCEMENT	:	INSERTION TEXTILE HAUTE TENACITE ET FIL DE MASSE ANTISTATIQUE.
REVETEMENT	:	CAOUTCHOUC SYNTHETIQUE, RESISTANT A LA FLAMME, AUX HUILES, A L'ESSENCE, A L'ABRASION, A L'OZONE, A LA CHALEUR ET AUX AGENTS ATMOSPHERIQUES.
APPLICATION	:	POUR LES EQUIPEMENTS DES POMPES A ESSENCES POUR LA DISTRIBUTION VOLUMETRIQUE DE CARBURANT. (ESSENCE ORDINAIRE, SUPER, SANS PLOMB ET GAZ-OIL.).

ID		OD	BR/r	W	L
inch	mm	mm	mm	g/m	m
1/2"	12.7	21.5	89	330	>6
5/8"	16	25.4	89	430	>6
3/4"	19	28.6	89	490	>6
1"	25.4	34.9	89	625	>6

-54˚C / + 85˚C
-65˚F / +185˚F

MARKING / МАРКИРОВКА/ MARCATURA / MARQUAGE: **EMBOSSED, INK JET OR TRANSFER TAPE**

LISTED - MH45766 - 3JYR - (mm) TYPE 1 GASOLINE HOSE EXCEEDS -54 ° C (QUARTER / YEAR) 100108-328 (LOT)**

NORMS СТАНДАРТ NORME NORMES	UL 330 ISO 1307	COLOUR ЦВЕТ COLORI COULEUR	

Info
Информация
Info
Info

Conversion Chart

	Unit	From	To	Multiply By
Length	1 Inch	in	m	0.0254
	1 Meter	m	in	39.370
	1 Foot	ft	m	0.3048
	1 Meter	m	ft	3.281
Area	1 Square inch	in^2	mm^2	645.16
	1 Square meter	m^2	in^2	1550
Volume	1 Gallon (UK)	gal	L	4.546
	1 Liter	L	gal (UK)	0.22
	1 Gallon (US)	gal	L	3.78
	1 Liter	L	gal (US)	0.264
Weight	1 Pound	1 lb	kg	0.454
	1 Kilogram	kg	1 lb	2.205
Pressure	1 Pound per square inch	psi	bar	0.06895
	1 Bar	bar	psi	14.5
	1 Pound per square inch	psi	Mpa	0.006895
	1 Mega Pascal	Mpa	psi	145.035
	1 Kilo Pascal	Kpa	bar	0.01
	1 Bar	bar	Kpa	100
	1 Mega Pascal	Mpa	bar	10
	1 Bar	bar	Mpa	0.1
Velocity	1 Foot per second	ft/s	m/s	0.3048
	1 Meter per second	m/s	ft/s	3.281
Flow Rate	1 Gallon per minute (UK)	gal / min.	l / min.	4.546
	1 Liter per minute	l / min.	gal / min. (UK)	0.22
	1 Gallon per minute (US)	gal / min.	l / min.	3.78
	1 Liter per minute	l / min.	gal / min. (US)	0.264
Temperature	Fahrenheit degree	°F	°C	5/9 (°F-32)
	Celcius degree	°C	°F	9x°C/5+32

Pressure Conversion Table

PSI	MPa	Kgf/cm²	BARS	ATMOS PHERES	PSI	MPa	Kgf/cm²	BARS	ATMOS PHERES	PSI	MPa	Kgf/cm²	BARS	ATMOS PHERES	PSI	MPa	Kgf/cm²	BARS	ATMOS PHERES
25	.17	1.76	1.72	1.70	2500	17.24	175.77	172.50	170.00	5200	35.85	365.60	353.80	353.60	7900	54.47	555.42	545.10	537.20
50	.34	3.52	3.45	3.40	2600	17.93	182.80	179.40	176.80	5300	36.54	372.63	365.70	360.40	8000	55.16	562.46	552.00	544.00
75	.52	5.27	5.18	5.10	2700	18.62	189.83	186.30	183.60	5400	37.23	379.66	376.60	367.20	8100	55.85	565.49	558.90	550.80
100	.69	7.03	6.90	6.80	2800	19.30	196.86	193.20	190.40	5500	37.92	386.69	379.50	374.00	8200	56.54	576.52	565.80	557.60
200	1.38	14.06	13.80	13.60	2900	19.99	203.89	200.10	197.20	5600	38.61	393.72	386.40	380.80	8300	57.23	583.55	572.70	564.40
300	2.07	21.09	20.70	20.40	3000	20.68	210.92	207.00	204.00	5700	39.30	400.75	393.30	387.60	8400	57.92	590.58	576.60	571.20
400	2.76	28.12	27.60	27.20	3100	21.37	217.95	213.90	210.80	5800	39.99	407.78	400.20	394.40	8500	58.61	597.61	586.50	587.00
500	3.45	65.15	34.50	34.00	3200	22.06	244.98	220.80	217.60	5900	40.68	414.81	407.10	401.20	8600	59.30	604.64	593.40	584.80
600	4.14	42.18	41.40	40.80	3300	22.75	232.01	227.70	224.40	6000	41.37	421.84	414.00	408.00	8700	59.98	611.67	600.30	591.60
700	4.38	49.21	48.30	47.60	3400	23.44	239.04	243.60	231.20	6100	42.06	428.87	420.90	414.80	8800	60.67	618.70	607.20	598.40
800	5.52	56.24	55.20	54.10	3500	24.13	246.07	241.50	238.00	6200	42.75	435.90	427.80	421.60	8900	61.36	625.73	614.10	605.20
900	5.20	63.28	62.10	61.20	3600	24.82	253.10	243.40	244.80	6300	43.44	442.93	434.70	428.40	9000	62.05	632.76	621.00	612.00
1000	6.90	70.31	69.00	68.00	3700	25.51	260.14	255.30	251.60	6400	44.13	449.96	441.60	435.20	9100	62.74	639.79	627.90	618.80
1100	7.58	77.34	75.90	74.80	3800	26.20	267.17	262.20	258.40	6500	44.82	457.00	448.50	442.00	9200	63.43	646.82	634.80	625.60
1200	8.27	84.37	82.80	81.60	3900	26.89	274.20	269.10	265.20	6600	45.51	464.03	455.40	448.80	9300	64.12	653.86	641.70	632.40
1300	8.96	91.40	89.70	88.40	4000	27.58	281.23	276.00	272.00	6700	46.20	471.06	462.30	445.60	9400	64.81	660.89	648.60	639.20
1400	9.65	98.43	96.60	95.20	4100	28.27	288.26	282.90	278.80	6800	46.88	478.09	469.20	462.40	9500	65.50	667.92	655.50	646.00
1500	10.34	105.46	103.50	102.00	4200	28.96	295.29	289.80	285.60	6900	47.57	485.12	476.10	496.20	9600	66.19	674.55	662.40	652.80
1600	11.03	112.49	110.40	108.80	4300	29.65	302.32	296.70	292.40	7000	48.26	492.15	438.00	476.40	9700	66.88	681.98	669.30	659.60
1700	11.72	119.52	117.30	115.60	4400	30.34	309.35	303.60	299.20	7100	48.95	499.18	489.90	469.20	9800	67.57	689.01	676.20	666.40
1800	12.41	126.55	124.20	122.40	4500	31.03	316.38	310.50	306.00	7200	49.64	506.21	496.80	489.60	9900	68.26	696.04	638.10	673.20
1900	13.10	133.58	131.10	129.20	4600	31.72	323.41	317.40	312.80	7300	50.33	513.24	503.70	496.40	10000	68.95	703.07	690.00	680.00
2000	13.79	140.61	138.00	136.00	4700	32.41	330.44	324.30	319.60	7400	51.02	520.27	510.60	503.20	11000	75.84	773.38	759.00	748.00
2100	14.48	147.64	144.90	142.80	4800	33.10	337.47	331.20	326.40	7500	51.71	527.50	517.50	510.00	12000	82.74	843.68	828.00	816.00
2200	15.17	154.68	151.80	149.60	4900	33.78	344.50	338.10	333.20	7600	52.40	534.33	524.40	516.80	13000	89.63	913.99	897.00	884.00
2300	15.86	161.71	158.70	156.40	5000	34.47	351.54	345.00	340.00	7700	53.09	541.36	531.30	523.60	14000	96.53	984.30	966.00	952.00
2400	16.55	168.74	165.60	163.20	5100	35.16	358.57	351.90	346.80	7800	53.78	548.39	538.20	530.40	15000	103.42	1054.60	1035.00	1020.00

PSI X .0068948 = Megapascals (MPa) = meganewton/meter ^{2}
PSI X .070307 = Kilogram-force per square centimeter
PSI X .0690 = Bars
PSI X .0680 = Atmospheres

1 MP = 10 Bars
1 Bar = 14.5 PSI
1kgf/cm^2 = 14.22 PSI
1 PSI = .00689 MPa

Vacuum Conversion Table

ATM	PSI	WATER		MERCURY		%
		METER	FEET	MM	INCHES	
0.1	1.4	1	3’ 3-3/8”	73.6	2.9	10
0.2	2.8	2	6’ 6-3/4”	147.1	5.8	20
0.3	4.2	3	9’ 10-1/8”	220.7	8.7	30
0.4	5.7	4	13’ 1-1/2”	249.2	11.6	40
0.5	7.1	5	16’ 4-13/16”	267.8	14.5	50
0.6	8.5	6	19’ 8-3/16”	441.3	17.4	60
0.7	10.0	7	22’ 11-9/16”	514.9	20.3	70
0.8	11.4	8	26’ 2-15/16”	588.4	23.2	80
0.9	12.8	9	29’ 6-3/8”	662.0	26.0	90
1.0	14.2	10	32’ 9-11/16”	735.5	29.0	100

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	NR	SBR CBR	CR	NBR	IIR	CSM	EPDM EPM	XLPE	UHMWPE
ACETALDEHYDE	F	F	F	X	E	C	E	E	E
ACETIC ACID , 10 %	X	C	C	X	E	F	E	E	E
ACETIC ACID , 50 %	X	C	X	X	E	X	E	E	E
ACETIC ANHYDRIDE	X	C	G	X	G	E	E	E	E
ACETONE	C	C	X	X	E	F	E	E	E
ACETYLENE	G	G	G	E	E	G	E	E	E
ACRYLIC ACID	-	-	-	-	-	-	-	-	G
ADIPIC ACID	G	G	G	G	E	-	E	E	E
AIR, +300 F	X	X	X	X	F	X	G	-	-
ALUM	E	E	E	E	E	E	E	E	E
ALUMINUM CHLORIDE	E	E	E	E	E	E	E	E	E
ALUMINUM HYDROXIDE	E	-	E	G	-	G	-	-	E
AMINOBENZENE	X	X	X	X	E	F	E	E	G
AMINODIMETHYLBENZENE	X	X	X	X	X	X	G	G	G
AMMONIUM CHLORIDE	E	E	E	E	E	E	E	E	E
AMMONIUM HYDROXIDE	X	X	E	X	E	G	E	E	E
ANIMAL FATS	X	X	C	E	G	F	G	E	E
ARGON	E	E	E	E	E	C	E	E	E
ARSENIC ACID	G	E	E	E	E	E	E	E	E
ASPHALT	X	X	F	F	F	E	X	F	F
ASTM FUEL A	X	X	E	E	X	F	X	E	E
ASTM FUEL B	X	X	F	E	X	E	X	E	E
ASTM FUEL C	X	X	X	G	X	F	X	-	-
ASTM OIL NO.1	X	X	E	E	X	X	X	E	E
ASTM OIL NO.2	X	X	G	E	X	G	X	E	E
ASTM OIL NO.3	X	X	X	E	X	F	X	E	E
ASTM OIL NO.4	X	X	X	G	X	X	X	-	-
AUTOMATIC TRANSMISSION FLUID	X	X	G	E	X	X	X	-	-
BARIUM CHLORIDE	E	E	E	E	E	C	E	E	E
BARIUM HYDROXIDE	E	E	E	E	E	E	E	E	E
BEER	E	E	E	E	E	E	E	E	E
BENZALDEHYDE	X	X	X	X	E	E	E	E	E
BENZENE	X	X	X	X	X	G	X	F	F
BENZINE	X	X	G	E	X	X	X	G	G
BENZOIC ACID	X	X	F	X	X	C	F	E	E
BENZYL ALCOHOL	X	X	C	X	G	X	G	E	E
BLEACH	X	X	X	X	G	F	G	G	F
BORAX SOLUTION	G	G	E	C	E	X	E	G	-
BORIC ACID	E	E	E	E	E	E	E	E	E
BRAKE FLUID (HD-557) 12 DAYS	-	E	G	C	G	E	E	-	-
						G			

	NR	SBR CBR	CR	NBR	IIR	CSM	EPDM EPM	XLPE	UHMWPE
BROMOBENZENE	X	X	X	X	X	X	X	C	G
BUNKER OIL	X	X	X	E	X	X	X	G	G
BUTADIENE	X	X	X	X	X	C	C	G	G
BUTANE	X	X	E	E	X	G	X	-	-
BUTYL ALCOHOL	E	E	E	E	G	G	E	E	E
BUTYLENE	X	X	C	G	X	X	X	-	F
BUTYRIC ACID	-	-	-	-	-	-	C	E	E
CALCIUM BICHROMATE	-	-	-	-	E	F	-	G	F
CALCIUM CHLORIDE	E	E	E	E	E	E	E	E	E
CALCIUM HYDROXIDE	E	E	E	E	E	E	E	E	E
CALCIUM HYPOCHLORITE	E	E	E	E	E	E	E	E	E
CARBON DIOXIDE	G	G	G	E	G	G	G	G	G
CARBON MONOXIDE	G	G	G	E	E	G	E	G	G
CARBONIC ACID	E	C	E	C	E	E	G	E	E
CAUSTIC SODA (SEE SOD. HYD.)	G	G	G	F	G	G	G	G	E
CHLORINATED SOLVENTS	X	X	X	X	X	X	X	G	G
CHLOROBENZENE	X	X	X	X	X	X	X	G	G
CHLOROFORM	X	X	X	X	X	X	X	G	G
CHROME PLATING SOLUTIONS	X	X	X	X	X	X	G	-	-
CHROMIC ACID	X	X	X	X	F	G	C	G	G
CITRIC ACID	E	E	E	E	E	E	E	E	E
COAL OIL	X	X	-	X	X	X	X	E	E
COAL TAR	X	X	G	E	X	X	X	E	E
COAL TAR NAPTHTHA	X	X	-	-	X	X	-	E	E
COCONUT OIL	X	X	G	E	G	X	C	E	-
COKE OVEN GAS	X	X	X	X	X	X	X	E	-
COPPER CHLORIDE	F	E	C	C	E	E	E	E	E
COPPER CYANIDE	E	E	E	E	E	E	E	E	-
COPPER HYDROXIDE	F	G	-	-	E	G	-	E	E
COPPER SULFATE	F	E	E	E	E	E	E	E	E
CORN OIL	X	X	C	E	E	X	C	E	-
COTTONSEED OIL	X	X	C	C	C	X	C	C	G
CRUDE OIL	X	X	X	G	X	X	X	E	E
CUMENE	X	X	X	X	X	X	X	E	E
CUPRIC HYDROXIDE	-	-	-	-	-	-	-	-	-
CUPRIC SULFATE	F	E	-	-	E	E	-	E	E
CYCLOHEXANE	X	X	X	G	X	X	X	G	E
CYCLOHEXANOL	X	X	G	C	X	X	X	E	E
CYCLOPENTANE	X	X	-	-	X	X	-	E	E
CYCLOPENTANOL	X	X	-	-	X	X	-	E	E

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	NR	SBR CBR	CR	NBR	IIR	CSM	EPDM EPM	XLPE	UHMWPE
DDT IN KEROSENE	X	X	F	E	X	X	X	E	E
DETERGENT, WATER SOLUTION	G	G	G	E	E	G	E	-	-
DEVELOPING FLUID (PHOTO)	E	G	E	E	G	E	G	-	-
DI-ISO BUTYLENE	X	X	X	G	X	X	X	E	-
DIAMMONIUM PHOSPHATE	-	-	-	-	-	-	-	-	-
DIAMYL NAPHTHALENE	X	X	-	-	E	X	-	E	-
DIBENZYL ETHER	X	X	X	X	E	X	X	E	E
DIBROMOBENZENE	X	X	-	-	X	X	-	E	G
DIBROMOMETHANE	-	-	-	-	-	-	-	-	-
DIBUTYL ETHER	X	X	X	X	G	X	C	E	E
DIBUTYLAMINE	X	X	X	X	X	X	X	-	E
DICHLOROBENZENE	X	X	X	X	X	X	X	G	G
DICHLORODIFLUOROMETHANE	X	X	-	-	X	X	-	-	E
DICHLOROETHANE	X	X	-	-	X	X	-	E	E
DICHLOROETHYL ETHER	X	X	-	-	X	X	-	E	E
DICHLOROHEXANE	X	X	-	-	X	X	-	E	E
DICHLOROMETHANE	X	X	-	-	X	X	-	E	E
DICHLOROPROPANE	X	X	-	-	X	X	-	E	E
DICHLOROTOLUENE	-	-	-	-	-	-	-	-	-
DIESEL OIL	X	X	C	E	X	C	X	C	E
DIETHANOL AMINE	G	G	-	-	E	F	-	-	E
DIETYHL ETHER	X	X	C	X	X	X	X	E	-
DIETYHL KETONE	F	X	-	-	G	X	-	E	E
DIETYHLPHTHALATE	X	X	X	-	E	X	G	E	E
DIETYHL SULFATE	-	-	-	-	-	-	-	-	E
DIETYHLAMINE	G	G	C	C	E	C	G	C	E
DIMETHYL KETONE	-	-	-	-	-	-	-	-	E
DIMETHYL SULFATE	-	-	-	-	-	-	-	-	E
DIMETHYLAMINE	-	-	-	-	-	-	-	E	E
DIMETHYLBENZENE	-	-	-	-	-	-	-	-	E
DISODIUM PHOSPHATE	E	E	-	-	E	E	-	E	E
DIVINYL BENZENE	X	X	-	-	X	X	-	E	E
DRY CLEANING FLUIDS	-	X	X	C	X	X	X	-	-
ETHANOIC ACID	-	-	-	-	-	-	-	-	-
ETHANOL (GRAIN ALCOHOL)	E	E	E	C	E	E	E	E	E
ETHANOLAMINE	G	G	G	G	E	C	E	C	E
ETHERS	X	X	X	X	X	X	C	-	-
ETHYL ACETATE	X	X	X	X	G	X	C	E	E
ETHYL ALCOHOL	E	E	E	C	E	E	E	E	E

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ETHYL ALDEHYDE	F	-	-	-	E	-	-	E	E
ETHYL BENZENE	X	X	X	X	X	X	X	E	E
ETHYL CHLORIDE	X	X	X	X	F	X	X	G	G
ETHYL ETHER	X	X	X	C	C	X	X	E	E
ETHYL PHTHALATE	-	-	-	-	-	-	-	-	E
ETHYL SILICATE	F	F	E	E	E	G	E	E	E
ETHYLAMINE	F	F	-	-	G	F	-	-	E
ETHYLENE DIAMINE	G	G	E	E	E	F	E	E	E
ETHYLENE DIBROMIDE	X	X	X	X	X	X	C	G	F
ETHYLENE DICHLORIDE	X	X	X	X	X	X	X	G	G
FATTY ACIDS	X	X	C	C	X	X	X	E	G
FERRIC CHLORIDE	E	E	G	E	E	E	E	E	E
FERRIC NITRATE	E	E	E	E	E	E	E	E	-
FERRIC SULFATE	E	E	E	E	E	E	E	E	E
FORMALDEHYDE	G	C	C	X	E	C	G	E	E
FORMIC ACID	G	G	C	X	E	F	E	C	E
FREON SO 2	-	-	E	-	-	-	E	-	-
FREON 113	C	G	E	E	-	E	C	-	-
FREON 12	X	X	G	G	X	X	X	C	E
FREON 22	X	X	X	X	F	X	-	C	E
FUEL OIL	X	X	G	E	X	E	X	C	E
GAS, COAL	-	-	-	-	-	-	-	-	-
GAS, HIGH OCTANE	-	-	X	G	-	-	X	-	-
GLUCOSE	E	E	G	G	E	E	G	E	G
GLYCERINE	E	E	E	E	E	E	E	C	E
GREASE	X	X	X	E	X	X	X	G	E
HELIUM	E	E	E	E	E	E	E	-	-
HEXANE	X	X	C	C	X	X	X	G	G
HEXANOL	E	E	-	-	E	E	-	E	E
HEXENE	X	X	G	G	X	G	X	E	G
HYDRAULIC & MOTOR OIL	X	X	C	E	X	G	X	E	-
HYDROBROMIC ACID	E	X	X	X	E	E	E	C	G
HYDROCLORIC ACID	E	X	X	X	F	X	X	E	E
HYDROCIANIC ACID	X	-	E	C	E	C	C	-	-
HYDROFLUORIC ACID	X	X	X	X	E	E	X	C	E
HYDROGEN CHLORIDE ANHYDROUS	-	-	-	-	-	-	-	-	-
HYDROGEN DIOXIDE (10 %)	X	X	-	-	F	-	-	-	G
HYDROGEN GAS	G	G	E	E	E	G	E	E	E
HYDROGEN PEROXIDE OVER 10 %	X	X	X	X	X	X	X	C	F

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	NR	SBR CBR	CR	NBR	IIR	CSM	EPDM EPM	XLPE	UHMWPE
HYDROGEN PEROXIDE 10 %	X	X	X	X	F	F	F	C	G
IODINE	C	C	C	C	C	E	C	C	E
JET FUELS	X	X	X	E	X	X	X	E	E
KEROSENE	X	X	X	E	X	C	X	E	E
KETONES	X	X	X	C	E	X	E	-	-
LACQUER SOLVENTS	X	X	X	X	X	X	X	G	-
LACTIC ACID - COLD	G	G	G	X	E	G	X	C	-
LACTIC ACID - HOT	X	X	X	X	-	C	X	-	-
LAVENDER OIL	X	X	X	G	X	X	X	G	-
LEAD ACETATE	E	X	X	G	G	X	E	E	E
LEAD NITRATE	E	E	E	E	E	X	E	-	-
LEAD SULFATE	-	-	-	-	-	E	E	E	E
LIME	-	-	-	X	-	-	G	-	-
LINOLEIC ACID	X	X	X	G	X	X	X	-	-
LINSEED OIL	X	X	X	E	C	C	X	C	E
LIQUID PETROLEUM GAS (LPG)	X	X	X	E	X	X	X	E	X
LUBRICATING OILS	X	X	X	G	X	F	X	E	E
LYE SOLUTIONS	G	G	G	G	E	E	E	-	G
MEK	X	X	X	X	G	X	E	E	G
MAGNESIUM CHLORIDE	E	E	E	E	E	E	E	E	E
MAGNESIUM HYDROXIDE	E	G	G	G	E	G	E	E	E
MAGNESIUM SULFATE & SULPHITE	E	E	E	E	E	E	E	E	E
MALEIC ACID	X	X	X	X	X	X	X	G	E
MALIC ACID	C	C	C	C	X	G	X	C	G
MERCURY	E	E	E	E	E	E	E	E	-
MERCURY VAPORS	E	E	E	E	E	E	E	-	-
METHANOIC ACID	-	-	-	-	-	-	-	-	-
METHANOL (METHYL ALCOHOL)	E	E	E	E	E	E	E	-	E
METHYL ACETATE	X	X	X	X	G	X	E	E	E
METHYL CHLORIDE	X	X	X	X	C	X	X	G	E
METHYL CYANIDE	-	-	-	-	-	-	-	-	-
METHYL METHACRYLATE	X	X	X	X	X	X	C	G	G
MINERAL OIL	X	X	X	E	X	F	X	E	-
MINERAL SPIRITS	X	X	X	E	X	X	X	E	E
MOLTEN SULFUR	X	X	X	-	G	F	-	X	-
MONOCHLOROBENZENE	X	X	X	X	X	X	X	G	G
MORPHOLINE	-	-	-	X	-	-	X	-	-
MOTOR OIL, 40 W	-	-	-	-	-	-	-	-	-
MURIATIC ACID	E	X	X	X	F	X	F	E	E
N-OCTANE	X	X	X	G	X	X	X	G	-

	NR	SBR CBR	CR	NBR	IIR	CSM	EPDM EPM	XLPE	UHMWPE
NAPHTHA	X	X	X	C	X	-	X	E	E
NAPHTHALENE	X	X	X	X	F	X	X	E	E
NAPHTHENIC ACIDS	X	X	X	G	-	X	X	-	-
NATURAL GAS	X	X	E	E	X	F	X	C	-
NEON GAS	E	E	E	E	E	E	E	-	-
NICKEL CHLORIDE	E	E	G	E	E	E	E	E	E
NICKEL NITRATE	E	E	E	-	E	E	E	E	E
NICKEL SULFATE	E	E	E	E	E	E	E	E	E
NITRIC ACID, CONC (16N)	X	X	X	X	C	G	X	G	-
NITRIC ACID, RED FUMING	X	X	X	X	G	X	X	X	X
NITRIC ACID, 10 %	X	X	X	X	G	X	C	C	E
NITRIC ACID, 13 N	-	-	-	-	-	-	-	-	-
NITRIC ACID, 13 N + 5 %	-	-	-	-	-	-	-	-	-
NITRIC ACID, 20 %	X	X	X	X	G	X	G	E	E
NITRIC ACID, 30 %	X	X	X	X	F	X	C	E	G
NITRIC ACID, 30 % - 70 %	X	X	X	X	F	F	F	G	F
NITROBENZENE	X	X	X	X	F	X	X	E	E
NITROETHANE	G	G	C	X	G	G	G	E	-
NITROGEN	E	E	E	E	E	E	E	E	E
NITROMETHANE	G	C	C	X	G	C	G	E	-
NITROUS OXIDE GAS	-	-	-	-	-	-	-	-	E
OIL-PETROLEUM	X	X	G	E	X	F	X	E	G
OLEIC ACID	X	X	X	C	G	X	X	E	E
OLEUM (FUMING SULFIRIC ACID)	X	X	X	C	X	X	X	X	X
OLIVE OIL	X	X	E	E	E	F	E	C	-
ORTHO-DICHLOROBENZENE	X	X	X	X	X	X	X	G	E
ORTHOXYLENE	X	X	-	-	X	X	-	E	G
OXALIC ACID	X	X	X	X	E	X	E	G	E
OZONE	X	X	C	X	G	G	E	E	E
PAINT THINNER	X	X	X	X	X	X	X	-	-
PALMITIC ACID	X	X	C	E	E	C	C	C	E
PAPERMAKERS ALUM	E	E	E	E	E	E	E	E	E
PARA-DICHLOROBENZENE	X	X	X	X	X	X	X	G	-
PARAFFIN WAX	X	X	G	E	X	X	X	X	E
PARALDEHYDE	F	-	-	-	E	-	-	E	E
PARAXYLENE	X	X	-	-	X	X	-	E	E
PENTACHLOROETHANE	X	X	-	-	X	X	-	E	E
PENTANE	X	X	G	E	X	F	X	G	G
PERCHLORIC ACID- 2 N	X	X	C	X	G	G	C	E	-
PHENOL	X	X	X	X	G	G	G	E	E

CHEMICAL RESISTANCE CHART
ТАБЛИЦА ХИМИЧЕСКОЙ СТОЙКОСТИ
TABELLA RESISTENZA CHIMICA
TABLEAU DE REZISTANCE CHIMIQUE

E	EXCELLENT
G	GOOD
F	FAIR
C	ACCEPTABLE
X	UNSATISFACTORY
-	NO DATA

E	ОТЛИЧНО
G	ХОРОШО
F	СРЕДНЕЕ
C	ПРИЕМЛЕМОЕ
X	НЕУДОВЛЕТВОРИТЕЛЬНОЕ
-	НЕТ ДАННЫХ

E	PERFETTO
G	BUONO
F	MEDIA
C	ACCETTABILE
X	CATTIVO
-	SENZA DATA

E	EXCELLENT
G	BONNE
F	JUSTE
C	ACCEPTABLE
X	NE CONVIENTPAS
-	AUCUNE DONNEE

	NR	SBR CBR	CR	NBR	IIR	CSM	EPDM EPM	XLPE	UHMWPE
PHOSPHORIC ACID 10 %	E	E	X	X	E	E	X	E	E
PHOSPHORIC ACID 10 % - 85 %	G	G	X	X	G	E	X	E	E
PINE OIL	X	X	X	X	X	X	X	E	E
POTASSIUM BISULFATE	E	E	-	-	E	E	-	E	E
POTASSIUM CARBONATE	E	E	E	-	E	E	E	E	E
POTASSIUM CHLORIDE	E	E	E	E	E	E	E	E	E
POTASSIUM CHROMATE	-	-	-	-	E	F	-	G	G
POTASSIUM CYANIDE	E	E	E	E	E	E	E	E	-
POTASSIUM DICHROMATE	G	G	E	E	E	F	E	G	G
POTASSIUM HYDROXIDE	E	G	C	X	E	G	E	E	G
POTASSIUM PERMANGANATE, 5 %	-	-	-	-	-	-	-	-	-
POTASSIUM SULFATE	E	E	E	E	E	E	E	E	E
PROPANE	X	X	C	E	X	G	X	E	-
PROPYLENE	X	X	X	X	X	X	X	-	-
REFRIGERANT 11	-	-	X	G	-	-	X	-	-
REFRIGERANT 12	-	-	G	E	-	-	X	-	-
REFRIGERANT 22	-	-	G	X	-	-	X	-	-
SAL AMMONIAC	E	E	E	E	E	E	E	-	-
SEA WATER	E	E	G	E	E	E	E	E	E
SEWAGE	F	F	E	E	F	E	F	E	E
SILICONE OIL	E	E	E	E	E	E	E	-	-
SILVER NITRATE	E	E	E	G	E	E	E	E	-
SOAP SOLUTIONS	G	E	G	E	E	E	E	E	E
SODA ASH	E	E	E	E	E	E	E	E	E
SODA LIME	E	G	-	-	E	G	-	E	E
SODIUM ACETATE	X	X	G	G	G	X	E	E	E
SODIUM BICARBONATE	E	E	E	E	E	E	E	-	-
SODIUM BISULFATE	F	F	E	E	F	E	E	E	E
SODIUM BORATE	E	E	E	E	E	E	E	E	-
SODIUM CARBONATE	E	E	E	E	E	E	E	E	E
SODIUM CHLORIDE	E	E	E	E	E	E	E	E	E
SODIUM CYANIDE	E	E	E	E	E	E	E	E	-
SODIUM DICHROMATE	C	C	C	C	E	F	E	G	E
SODIUM HYDROXIDE (CAUSTIC SODA)	E	G	G	X	E	G	E	E	E
SODIUM HYPOCHLORITE	X	X	X	G	G	F	G	G	G
SODIUM NITRATE	E	E	G	G	E	E	E	E	E
SODIUM PEROXIDE	G	G	G	G	E	G	E	E	-
SODIUM PHOSPHATE	E	E	G	E	E	E	E	E	-
SODIUM SULFATE	E	E	E	E	E	E	E	E	E
SOYBEAN OIL	X	X	G	E	E	G	C	E	G
STEAM, BELOW 350 DEG F	X	X	X	X	G	X	E	X	-
STEARIC ACID	X	X	G	G	G	X	G	E	E

	NR	SBR CBR	CR	NBR	IIR	CSM	EPDM EPM	XLPE	UHMWPE
STYRENE	X	X	X	X	X	X	X	G	G
SULFUR	X	X	X	X	F	G	G	-	-
SULFUR CHLORIDE	X	X	C	C	X	G	X	E	-
SULFUR DIOXIDE	C	C	X	X	G	G	G	C	G
SULFIRIC ACID 60 % (200F)	-	-	-	-	-	-	-	C	G
SULFIRIC ACID, CONC.	X	X	X	X	X	E	X	E	G
SULFIRIC ACID, FUMING	X	X	X	X	X	X	X	X	X
SULFIRIC ACID, 25 %	X	X	X	X	G	E	E	E	E
SULFIRIC ACID, 25 % - 50 %	X	X	X	X	C	G	G	E	E
SULFIRIC ACID, 50 % - 96 %	X	X	X	X	X	C	X	G	G
TAR	X	X	G	X	X	X	X	X	X
TAR BITUMINOUS	X	X	C	G	X	X	X	-	-
TARTARIC ACID	C	X	G	E	E	E	G	C	E
TETRACHLOROBENZENE	X	X	-	-	X	X	-	G	G
TETRACHLOROETHANE	X	X	-	-	X	X	-	E	G
TETRACHLOROETHYLENE	X	X	X	X	X	X	X	E	E
TETRACHLOROMETHANE	X	X	-	-	X	X	-	E	E
TIN CHLORIDE	E	E	-	-	E	E	-	E	E
TITANIUM TETRACHLORIDE	X	X	X	G	X	X	X	-	G
TOLUENE	X	X	X	X	E	X	X	G	E
TRICHLOROACETIC ACID	C	G	X	G	G	X	G	E	-
TURPENTINE	X	X	X	X	X	X	X	G	E
UREA	-	-	E	-	E	-	-	E	E
URETHANE FORMULATIONS	-	-	-	E	-	-	-	-	-
URIC ACID	-	-	-	-	-	-	-	-	-
VARNISH	X	X	X	G	-	X	X	-	-
VEGETABLE OILS	X	X	C	E	E	X	C	E	-
VINEGAR	E	F	F	X	E	F	E	X	-
VINEGAR ACID	-	-	-	-	-	-	-	-	-
VINYL ACETATE	X	X	-	-	G	X	-	E	E
VINYL BENZENE	X	X	-	-	X	X	-	G	E
VINYL CHLORIDE	X	X	X	X	X	X	X	E	E
VINYL CYANIDE	-	-	-	-	-	-	-	-	-
VINYL STYRENE	-	-	-	-	-	-	-	-	-
VINYL TOLUENE	X	X	-	-	X	X	-	E	E
WATER	E	E	E	E	E	E	E	E	E
WATER, BOILING	C	C	E	C	C	C	E	C	C
WHISKEY	E	E	E	E	E	E	E	E	E
WINES	E	E	E	E	E	E	E	E	E
ZINC CHLORIDE	E	E	E	E	E	E	E	E	E
ZINC CHROMATE	-	-	-	-	E	F	-	G	E
ZINC SULFATE	G	G	E	E	E	E	E	E	E

Use - Maintenance - Conservation - Shipment & Storage

Hoses have a certain life-time. Users must necessarily choose the hose that suits best to the work to be carried out. In case the work to be carried out brings about risks, users must use a hose of a nature enabling elimination of all possible risks.

Particularly, users must pay ultimate attention to opted hose in case of high operating pressures. Hoses must not be used for any purpose other than those that are met for design specifications. The hose must be used in such a way that there should be no sharp bending.

Hoses must not be used under such pressures higher than operation pressures specified in their design characteristics. During hose use, there must be no sudden pressure increase, however, the pressure must be increased gradually. Hoses must not be kinked, and forced by associated apparatuses and devices during use. When carrying big-size heavy hoses, attention must be paid for proper carriage by using hangers or carriage equipments. Particularly, in A/V heavy duty hoses, proper supporting apparatuses must be used.

During storage, hoses may negatively be affected from ozone, sunlight, oils, solvents, smoke, corrosive liquids, insects, rodents and radioactive materials. Proper storage for hoses depends on diameter and length size, quantity and packaging type of the hose. If hoses are bundled, bundles must not be stowed vertically but horizontally. Generally, wire braided and heavy hoses should be placed at the bottom while light hoses should be superposed.

If possible, hoses must be stored in their original packaging. If hoses are stored in cases, wood or cardboard cases should be preferred. Ideal storage temperature is 10-20 ^{o}C. Avoid storing at temperatures higher than 38 ^{o}C.

Unless otherwise specified in their design, hoses harden under 0 ^{o}C. Therefore, they must be restored to operating temperature range, if possible, before use. Hoses must be kept away from heat sources (radiator, stove, etc.) and hot surfaces. They must not be stored at such environments with high and low humidity conditions. Hoses are negatively affected from conditions of high ozone concentration. They must be protected from direct or reflecting sunlight. Lights emitted by florescent and mercury lamps have detrimental effects on unpackaged hoses. Storage area should be relatively cool and dark, and free from mold and humidity. When using hoses, FIFO (First In, First Out) principle should be preferred for moving out of storage area. If foregoing instructions are observed, the life of hose will be prolonged.

Sales Terms & Conditions

1.Scope: These terms and conditions apply to your purchase from Polimer Kaucuk (referred to below as Seller). You (referred to below as Buyer or Buyers) acknowledge that Buyer is fully aware of the contents of these terms and conditions and, on placing any purchase order for any products; Buyer agree to be bound by and accept these terms and conditions. Buyers acknowledgement receipt and acceptance of products shall constitute of Buyer's acceptance of the terms and conditions stated herein.
2.Ordering Process: Orders received by the Seller are accepted only upon written confirmation. Seller possesses the exclusive right to accept or refuse all orders. Until written confirmation from the Seller no bid, offer, or quotation will be binding upon the Seller.
3.Prices: All prices are subject to change and the Seller shall notify the Buyer before shipment.
4.Delivery: The Seller reserves the right to select shipment method and term. All shipments shall be EXW unless differently agreed in the contract. Claims for damage or loss in transit must be filled by Buyer against to carrier.
Delivery dates are estimates and not guaranteed by Seller. Seller shall not be liable or failure or delay in shipping goods, if such failure or delay is due to an act of God, fire, flood, war, labor difficulties, accident, strikes, lockouts, civil disorders, governmental priorities or embargos, inability or difficulty in obtaining row materials or supplies at contracted row material prices or any other reasons which are beyond the control of the seller. In such cases Seller should notify buyer of these causes of this force major. Buyer shall not refuse to accept deliveries so delayed.
Buyer is responsible for collecting products in five business days upon buyer's notice of readiness for shipment. Buyer shall be responsible for all storage and related expenses caused by Buyer's delay collecting the products.
5.The contract modification and cancellation: Buyer may not cancel or modify any order without Seller's prior written consent and accepts responsibility for all the applicable costs incurred by the Seller due to such cancellation or modification. Seller may suspend the contract if the Buyer is considered financially insecure.
6.Tolerances of the order: The seller reserves the right during the production of the order to supply up to ±10% of the confirmed quantities.
7.Returns: Seller must confirm the return of any product before its shipment by Buyer. If the buyer decides the ship without Seller's consent Buyer shall be responsible for all related costs and risks.
8.Payment: Buyer is liable to pay at agreed date and currency and if such payment is not materialized at agreed date, buyer shall be liable for interest charges of 2% above LIBOR on the unpaid balance. If buyer is considered financially insecure, seller reserves the right to request advance payment of unshipped material and all other claims.
9.Warranty: Seller warrants that its products shall be free from defects in material and workmanship under normal use and service for a period of 12 months from date of shipment.
On equipment and materials furnished by Seller but manufactured by others, Buyer shall accept in lieu of any liability or guarantees on the part of Seller, the benefits of guarantees as are obtained by Seller from such manufacturers or vendors. This warranty does not cover any defect arise from normal deterioration, inadequate maintenance, incorrect repair, storage conditions and failure to follow user and operator instructions. Failure by Buyer to object to or reject products or materials delivered hereunder, in writing 30 days from the date of shipment of the products and materials, shall constitute an acceptance and waiver by Buyer of all claims hereunder due to alleged errors, shortages, defective workmanship or material, breach of warranty or otherwise, discoverable upon inspection by Buyer. Seller shall in no event be liable for direct, indirect, incidental or consequential damages.
There are no other warranties either expressed or implied beyond those set forth herein.

HEADQUARTERS

ÇERKEZKÖY FACTORY 1

ÇERKEZKÖY FACTORY 2

ÇERKEZKÖY FACTORY 3

AVCILAR FACTORY

P O L İ M E R K A U Ç U K S A N A Y İ V E P A Z . A Ş .

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