

## NR Natural

Excellent physical properties.  
Excellent abrasión resistance.  
Poor resistance to oils.

## SBR Styrene-butadiene

Excellent physical properties.  
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## CR Chloroprene

Excellent ozoneand ageing properties.  
Flame retarding.  
Good resistance to petroleum based fluids.  
Good physical properties.

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Acrylonitrile-butadiene  
Excellent resistance to oils.  
Good physical properties.

## IIR

Butyl  
Good weathering resistance.  
Low permeability to air.  
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## CSM

Hypalon (Chlorosulfonyl-polyethylene)  
Excellent ozone and ageing properties.  
Good heat and abrasión resistance.  
Good resistance to petroleum based fluids.

## EPDM





Ethylene-propylene-diene-terpolymer  
Excellent ozone, chemical and ageing properties.  
Good heat resistance.  
Poor resistance to oils.

## FKM

Viton (Fluoroelastomer)  
Excellent high temperature resistance.  
Very good chemical and oil resistance.

## XLPE

Cross Linked Polyethylene  
Excellent resistance to most solvents and chemicals.

	Valid
	Discontinuous use
	Not valid
	No data

Material	NR	SBR	CR	NBR	IIR	CSM	EPDM	FKM	XLPE
Acetaldehyde									
Acetamide									
Acetic acid, dilute, 10%									
Acetic acid, glacial									
Acetic acid anhydride									
Acetone									
Acetonitrile									
Acetophenone									
Acetylacetone									
Acetylchloride									
Acetylene									
Acrylnitrile									
Acrylic acid									
Adipic acid									
Air 68°F (20°C)									
Air 150°F (65°C)									
Alkyl alcohol									
Alkylbenzene									
Aluminum chloride 150°F (65°C)									
Aluminum fluoride 150°F (65°C)									
Aluminium nitrate									
Aluminum sulfate 150°F (65°C)									
Alums 150°F (65°C)									
Ammonia gas, anhydrous									
Ammonia, 10% water solution									
Ammonia, 30% water solution									
Ammonium acetate									
Ammonium chloride									
Ammonium hydroxide									
Ammonium nitrate									
Ammonium phosphate, monobasic									
Ammonium phosphate, dibasic									
Ammonium phosphate, tribasic									
Ammonium sulfate									
Amyl acetate									
Amyl alcohol									
Aniline, Aniline oil									
Aniline dyes									
Asphalt									
Barium chloride 150°F (65°C)									
Barium hydroxide 150°F (65°C)									
Barium sulfide 150°F (65°C)									
Beer									
Beet sugar liquors									
Benzaldehyde									
Benzene, Benzol									
Benzine, petroleum ether and naphtha									
Benzoic acid									
Benzoic methyl ester									
Benzoic ethyl ester									
Benzyl alcohol									
Benzyl chloride									
Black sulfata liquor									
Blast funace gas									
Borax									
Boric acid									
Bromine									
Bromo benzol									
Butane									
Butyl acetate									
Butyl alcohol, Butanol									
Butyric acid									
Butylamine									
Butylbenzoate									
Butyl ether									
Calcium bisulfate									
Calcium chloride									

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Calcium hydroxide	●	●	●	●	●	●	●	●	●
Calcium hypochlorite	●	●	●	●	●	●	●	●	●
Caliche liquors	●	●	●	●	●	●	●	●	●
Cane sugar liquors	●	●	●	●	●	●	●	●	●
Caproic acid	●	●	●	●	●	●	●	●	●
Carbolic acid, phenol	●	●	●	●	●	●	●	●	●
Carbón dioxide, dry/wet	●	●	●	●	●	●	●	●	●
Carbón disulfide	●	●	●	●	●	●	●	●	●
Carbon monoxide 150°F (65°C)	●	●	●	●	●	●	●	●	●
Carbon tetrachloride	●	●	●	●	●	●	●	●	●
Castor oil	●	●	●	●	●	●	●	●	●
Cellosolve acetate	●	●	●	●	●	●	●	●	●
CFC-12	●	●	●	●	●	●	●	●	●
China wood oil, tung oil	●	●	●	●	●	●	●	●	●
Chlorine, dry/wet	●	●	●	●	●	●	●	●	●
Chlorinated solvents	●	●	●	●	●	●	●	●	●
Chloroacetic acid	●	●	●	●	●	●	●	●	●
Chlorobenzene	●	●	●	●	●	●	●	●	●
Chlorobutane	●	●	●	●	●	●	●	●	●
Chloroform	●	●	●	●	●	●	●	●	●
Chlorosulfonic acid	●	●	●	●	●	●	●	●	●
Chromic acid	●	●	●	●	●	●	●	●	●
Citric acid	●	●	●	●	●	●	●	●	●
Coke oven gas	●	●	●	●	●	●	●	●	●
Copper chloride 150°F (65°C)	●	●	●	●	●	●	●	●	●
Copper sulfate 150°F (65°C)	●	●	●	●	●	●	●	●	●
Corn oil	●	●	●	●	●	●	●	●	●
Cottonseed oil	●	●	●	●	●	●	●	●	●
Creosote, coal tar	●	●	●	●	●	●	●	●	●
Creosols, cresylic acid	●	●	●	●	●	●	●	●	●
Chromic acid	●	●	●	●	●	●	●	●	●
Cyclohexane	●	●	●	●	●	●	●	●	●
Cyclohexanol	●	●	●	●	●	●	●	●	●
Cyclohexanone	●	●	●	●	●	●	●	●	●
Cyclohexanolamine	●	●	●	●	●	●	●	●	●
Dibutyl ketone	●	●	●	●	●	●	●	●	●
Dichlorobenzene	●	●	●	●	●	●	●	●	●
Dichloroethylene	●	●	●	●	●	●	●	●	●
Diesel fuel	●	●	●	●	●	●	●	●	●
Diethanolamine 20%	●	●	●	●	●	●	●	●	●
Diethylamine	●	●	●	●	●	●	●	●	●
Diisopropylamine	●	●	●	●	●	●	●	●	●
Dimethylamine	●	●	●	●	●	●	●	●	●
Dimethylformamide	●	●	●	●	●	●	●	●	●
Dimethylsulphoxide	●	●	●	●	●	●	●	●	●
Diethylphthalate	●	●	●	●	●	●	●	●	●
Ethers	●	●	●	●	●	●	●	●	●
Ethyl acetate	●	●	●	●	●	●	●	●	●
Ethyl alcohol	●	●	●	●	●	●	●	●	●
Ethyl cellulose	●	●	●	●	●	●	●	●	●
Ethyl chloride	●	●	●	●	●	●	●	●	●
Ethylene glycol	●	●	●	●	●	●	●	●	●
Ferric chloride 150°F (65°C)	●	●	●	●	●	●	●	●	●
Ferric sulfate 150°F (65°C)	●	●	●	●	●	●	●	●	●
Formaldehyde	●	●	●	●	●	●	●	●	●
Formic acid	●	●	●	●	●	●	●	●	●
Fuel oil	●	●	●	●	●	●	●	●	●
Furfural	●	●	●	●	●	●	●	●	●
Gasoline unleaded	●	●	●	●	●	●	●	●	●
Gasoline + MTBE	●	●	●	●	●	●	●	●	●
Hi Test+MTBE	●	●	●	●	●	●	●	●	●
Gelatin	●	●	●	●	●	●	●	●	●
Glucose	●	●	●	●	●	●	●	●	●
Glue	●	●	●	●	●	●	●	●	●
Glycerin, glycerol	●	●	●	●	●	●	●	●	●
Green sulfate liquor	●	●	●	●	●	●	●	●	●
HFC--134A	●	●	●	●	●	●	●	●	●

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Petroleum hydraulic fluids	●	●	●	●	●	●	●		
Phosphate ester alkyl	●	●	●	●	●	●	●		
Phosphate ester aryl	●	●	●	●	●	●	●		
Phosphate ester blends	●	●	●	●	●	●	●		
Silicate ester	●	●	●	●	●	●	●		
Water glycol	●	●	●	●	●	●	●	●	
Hydrobromic acid	●	●	●	●	●	●	●	●	
Hydrochloric acid	●	●	●	●	●	●	●	●	●
Hydrocyanic acid	●	●	●	●	●	●	●	●	●
Hydrofluoric acid	●	●	●	●	●	●	●	●	●
Hydrofluosilicic acid	●	●	●	●	●	●	●	●	●
Hydrogen cyanide	●	●	●	●	●	●	●	●	●
Hydrogen gas	●	●	●	●	●	●	●	●	●
Hydrogen peroxide	●	●	●	●	●	●	●	●	●
Hydrogen sulfide. dry	●	●	●	●	●	●	●	●	●
Hydrogen sulfide. wet	●	●	●	●	●	●	●	●	●
Isobutyl alcohol	●	●	●	●	●	●	●	●	●
Isopropyl alcohol	●	●	●	●	●	●	●	●	●
Isooctane	●	●	●	●	●	●	●	●	●
Kerosene	●	●	●	●	●	●	●	●	●
Lacquers	●	●	●	●	●	●	●	●	●
Lacquers solvents	●	●	●	●	●	●	●	●	●
Lactic acid	●	●	●	●	●	●	●	●	●
Linseed oil	●	●	●	●	●	●	●	●	●
Lubricating oil, crude	●	●	●	●	●	●	●	●	●
Lubricating oil, refined	●	●	●	●	●	●	●	●	●
Magnesium chloride 150°F (65°C)	●	●	●	●	●	●	●	●	●
Magnesium hydroxide 150°F (65°C)	●	●	●	●	●	●	●	●	●
Magnesium sulfate 150°F (65°C)	●	●	●	●	●	●	●	●	●
Mercuric chloride	●	●	●	●	●	●	●	●	●
Mercury	●	●	●	●	●	●	●	●	●
Methyl alcohols methanol	●	●	●	●	●	●	●	●	●
Methyl acrylate	●	●	●	●	●	●	●	●	●
Methyl chloride	●	●	●	●	●	●	●	●	●
Methyl ethyl ketone	●	●	●	●	●	●	●	●	●
Methyl isopropyl ketone	●	●	●	●	●	●	●	●	●
MTBE	●	●	●	●	●	●	●	●	●
Milk	●	●	●	●	●	●	●	●	●
Mineral oils	●	●	●	●	●	●	●	●	●
Naphtha	●	●	●	●	●	●	●	●	●
Naphthalene	●	●	●	●	●	●	●	●	●
Natural gas	●	●	●	●	●	●	●	●	●
Nickel chloride 150°F (65°C)	●	●	●	●	●	●	●	●	●
Nickel sulfate 150°F (65°C)	●	●	●	●	●	●	●	●	●
Nitric acid, crude	●	●	●	●	●	●	●	●	●
Nitric acid, Diluted 10%	●	●	●	●	●	●	●	●	●
Nitric acid, Concentrated 70%	●	●	●	●	●	●	●	●	●
Nitrobenzene	●	●	●	●	●	●	●	●	●
Nitrogen gas	●	●	●	●	●	●	●	●	●
Octane	●	●	●	●	●	●	●	●	●
Oleic acid	●	●	●	●	●	●	●	●	●
Oleum	●	●	●	●	●	●	●	●	●
Oxalic acid	●	●	●	●	●	●	●	●	●
Ozone gas	●	●	●	●	●	●	●	●	●
Oxygen	●	●	●	●	●	●	●	●	●
Palmitic acid	●	●	●	●	●	●	●	●	●
Pentane	●	●	●	●	●	●	●	●	●
Perchlorethylene	●	●	●	●	●	●	●	●	●
Petroleum oils and crude 200°F (95°C)	●	●	●	●	●	●	●	●	●
Phenol	●	●	●	●	●	●	●	●	●
Phosphoric acid crude	●	●	●	●	●	●	●	●	●
Phosphoric acid pure 45%	●	●	●	●	●	●	●	●	●
Phthalic acid 50%	●	●	●	●	●	●	●	●	●
Picric acid, molten	●	●	●	●	●	●	●	●	●
Picric acid, water solution	●	●	●	●	●	●	●	●	●
Potassium chloride	●	●	●	●	●	●	●	●	●
Potassium cyanide	●	●	●	●	●	●	●	●	●

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Potassium hydroxide	●	●	●	●	●	●	●	●	●
Potassium sulfate	●	●	●	●	●	●	●	●	●
Propane	●	●	●	●	●	●	●	●	●
Propylene glycol	●	●	●	●	●	●	●	●	●
Pyridine	●	●	●	●	●	●	●	●	●
Sewage	●	●	●	●	●	●	●	●	●
Silicon oil	●	●	●	●	●	●	●	●	●
Soap solutions	●	●	●	●	●	●	●	●	●
Soda ash sodium carbonate	●	●	●	●	●	●	●	●	●
Sodium bicarbonate, baking soda	●	●	●	●	●	●	●	●	●
Sodium bisulfate	●	●	●	●	●	●	●	●	●
Sodium chloride	●	●	●	●	●	●	●	●	●
Sodium cyanide	●	●	●	●	●	●	●	●	●
Sodium hydroxide	●	●	●	●	●	●	●	●	●
Sodium hypochlorite	●	●	●	●	●	●	●	●	●
Sodium metaphosphate	●	●	●	●	●	●	●	●	●
Sodium nitrate	●	●	●	●	●	●	●	●	●
Sodium perborate	●	●	●	●	●	●	●	●	●
Sodium peroxide	●	●	●	●	●	●	●	●	●
Sodium phosphate, monobasic	●	●	●	●	●	●	●	●	●
Sodium phosphate, dibasic	●	●	●	●	●	●	●	●	●
Sodium phosphate, tribasic	●	●	●	●	●	●	●	●	●
Sodium silicate	●	●	●	●	●	●	●	●	●
Sodium sulfate	●	●	●	●	●	●	●	●	●
Sodium sulfide	●	●	●	●	●	●	●	●	●
Sodium thiosulfate, "hypo"	●	●	●	●	●	●	●	●	●
Soybean oil	●	●	●	●	●	●	●	●	●
Stannic chloride	●	●	●	●	●	●	●	●	●
Steam 450° F(230°C)	●	●	●	●	●	●	●	●	●
Stearic acid	●	●	●	●	●	●	●	●	●
Sulfur	●	●	●	●	●	●	●	●	●
Sulfur chloride	●	●	●	●	●	●	●	●	●
Sulfur dioxide, dry	●	●	●	●	●	●	●	●	●
Sulfur trioxide, dry	●	●	●	●	●	●	●	●	●
Sulfuric acid, 10%	●	●	●	●	●	●	●	●	●
Sulfuric acid, 11% - 75%	●	●	●	●	●	●	●	●	●
Sulfuric acid, 76% - 95%	●	●	●	●	●	●	●	●	●
Sulfuric acid, fuming	●	●	●	●	●	●	●	●	●
Sulfurous acid	●	●	●	●	●	●	●	●	●
Tannic acid	●	●	●	●	●	●	●	●	●
Tar	●	●	●	●	●	●	●	●	●
Tartaric acid	●	●	●	●	●	●	●	●	●
Tetrachloroethane	●	●	●	●	●	●	●	●	●
Tetrachloromethane	●	●	●	●	●	●	●	●	●
Thiophene	●	●	●	●	●	●	●	●	●
Toluene, Toluol	●	●	●	●	●	●	●	●	●
Trichloroethylene	●	●	●	●	●	●	●	●	●
Triethanolamine	●	●	●	●	●	●	●	●	●
Turpentine	●	●	●	●	●	●	●	●	●
Urea, water solution	●	●	●	●	●	●	●	●	●
Vaseline	●	●	●	●	●	●	●	●	●
Vinegar	●	●	●	●	●	●	●	●	●
Vinyl acetate	●	●	●	●	●	●	●	●	●
Vinyl chloride	●	●	●	●	●	●	●	●	●
Water, acid mine	●	●	●	●	●	●	●	●	●
Water, fresh	●	●	●	●	●	●	●	●	●
Water, distilled	●	●	●	●	●	●	●	●	●
Whiskey and wines	●	●	●	●	●	●	●	●	●
Xylene, Xylol	●	●	●	●	●	●	●	●	●
Zinc chloride	●	●	●	●	●	●	●	●	●
Zinc sulfate	●	●	●	●	●	●	●	●	●

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Important notice: This catalogue has been prepared with the greatest care in order to provide you with all the information you need. The information contained herein incorporates the latest state-of-the-art technology, and is the result of trials and tests carried out over many years, and conforms to the resistance requirements of the media listed as set out in the ISO7620:2005(E) directive.

Before using with new or untested media, or before using in applications that are not covered in the product information, written advice must first be obtained from Codan Rubber. Please ensure regular inspection of product for operational safety. For safety

reasons, hoses must be replaced in the event of damage, especially if the cover is damaged. All products must be stored and maintained according to our storage, care and maintenance instructions.

The individual conditions of use affect the use of each product, hence please ensure that the specifications in our written product information regarding resistance to chemicals and our cleaning procedures are all complied with. The guarantee is void in the event of improper handling, e.g. squashing, rupturing, stretching or filling with media that are not permitted. Unless specified otherwise, all hoses are manufactured to EN ISO 1307:2006.