Material	Chemical Composition	Description	Operating Temp	
			Min.	Max.
Polypropylene	Pure Polypropylene	Thermoplastic that is resistant to alkali and strong acids. Lightweight and tough with good tensile strength.	32°F 0°C	158°F 70°C
PVDF	Pure Polyvinylidene Fluoride	Strong fluoropolymer with excellent chemical resistance. High tensile and impact strength.	10°F -12°C	220°F 104°C
Stainless Steel	316 Stainless Steel	Wetted stainless steel wetted components are made of 316 stainless steel. Excellent chemical resistance, high tensile and impact strength, abrasion resistant.	Limited by other materials used in pump.	
Aluminum	ADC 12, LM24, LM25	Moderate chemical resistance with good impact strength and abrasion resistance.	Limited by other materials used in pump.	
Buna	Acrylonitrile-butadiene Rubber	Also known as Buna-N, NBR, or Nitrile. General purpose elastomer with good resistance to oil, water, solvent, and hydraulic fluid. Not recommended with acetone, MEK, ozone, chlorinated hydrocarbons, and nitro hydrocarbons.	10°F -12°C	190°F 88°C
EPDM	Ethylene Propylene Diene Rubber	Good resistance to mild acids, detergents, alkalis, ketones, and alcohols. Not recommended with solvents, petroleum oil, mineral oil, or fuel exposure.	-40°F -40°C	250°F 121°C
FKM	Fluorocarbon Rubber	Good resistance to a broad range of chemicals combined with good high temperature properties. Resistant to most acids, aliphatic, aromatic, and halogenated hydrocarbons, oils, grease, and fuels. Not recommended with hot water or hot aqueous solutions.	-40°F -40°C	350°F 177°C
Neoprene	Chloroprene Rubber	Also known as chloroprene (CR). General purpose elastomer with good resistance to moderate chemicals, oils, grease, solvents, and some refrigerants. Not recommended with oxidizing acids, ketones, esters, or chlorinated hydrocarbons.	0°F -18°C	212°F 100°C
Santoprene™	Fully cured EPDM rubber particles encapsulated in a polypropylene (PP) matrix	Thermoplastic elastomer with good abrasion resistance with chemical resistance to a wide range of solvents and chemicals. Injection molded with no fabric layer.	-40°F -40°C	225°F 107°C
Hytrel®	Thermoplastic polyester elastomer	Thermoplastic elastomer that combines resistance and flexibility of elastomers with the strength of plastics. Resistant to acids, bases, amines, and glycols. Injection molded with no fabric layer.	-20°F -29°C	220°F 104°C
Polyurethane	Polyester Urethane	Thermoplastic that exhibits excellent abrasion resistance providing superior performance in hydraulic and abrasive applications. Injection molded with no fabric layer.	32°F 0°C	150°F 66°C
PTFE	Polytetrafluoroethylene	Chemically inert and non-reactive. Resistant to a wide range of chemicals.	40°F 4°C	225°F 107°C
FEP	Fluorinated Ethylene Propylene	Similar to PTFE in composition and similar chemical resistance but is more easily formed/shaped. Used to encapsulate FKM o-rings for superior chemical resistance.	40°F 4°C	225°F 107°C

Santoprene™ is a registered tradename of Exxon Mobil Corp.

Hytrel® is a registered tradename of DuPont™