

Recommended Styles for General Service

		FABRIC REINFORCED RUBBER/PTFE								
STYLE/ MATERIALS OF CONSTRUCTION		260RH/ 261RH Cotton Fabric Natural Rubber Rockhard	432/8048 Cotton Fabric & Nitrile Elastomer	433 Cotton Fabric & Butyl Elastomer	532 PolyCotton Fabric & Nitrile Elastomer	7220 High Temperature Fabric & Fluoro- elastomer	7700 High Temperature Fabric & Nitrile Elastomer	7857 RH Cotton Fabric & SBR Elastomer Rockhard	7010 High Temperature Fabric & PTFE	
AVAILABLE FORMS	C-RINGS		●	●	●	●	●	●	●	
	ADAPTERS	●	● (432)	●	●	●	●	●	●	
RECOM- MENDED FOR USE AGAINST	AIR	●	●		●		●		●	
	ACIDS	●		●			●		●	
	ALKALIES	●		●			●		●	
	OILS	●	●		●		●	●	●	
	PHOSPHATE ESTERS	●		●			●		●	
	SOLVENTS	●					●		●	
	STEAM					● Up to 300°F		● Up to 300°F		●
	WATER	●	●	●	●	●	●	●	●	●
	WATER GLYCOL	●	●	●	●	●	●	●	●	●
	WATER IN OIL	●	●		●	●	●	●	●	●
SERVICE TEMPERATURE	MIN	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-20°F(-0°C)	-40°F(-40°C)	-40°F(-40°C)	Cryogenic	
	MAX	+275°F(+135°C)	+250°F(+121°C)	+250°F(+121°C)	+300°F(+149°C)	+400°F(+204°C)	+300°F(+149°C)	+250°F(+121°C)	+500°F(+260°C)	
HEAT RESISTANCE		Very Good	Good	Good	Very Good	Very Good	Very Good	Good	Excellent	
PRESSURE RATING (1)		Medium to High	Low to High	Low to High	Low to High	Low to High	Low to High	Medium to High	Medium to High	
ABRASION RESISTANCE		Excellent	Good	Good	Fair	Good	Fair	Good	Very Good	
RELATIVE HARDNESS/ FLEXIBILITY		Very Hard/ Rigid	Firm But Flexible	Firm But Flexible	Firm But Flexible	Firm/ Very Flexible	Firm But Flexible	Very Hard/ Rigid	Hard/ Rigid	
TEAR RESISTANCE										
GENERALLY RECOMMENDED FOR		Worn or misaligned equipment where anti- extrusion material is needed.	General hydraulic oils, water emulsions Multi purpose.	Phosphate- ester fluids only without oil or hydro- carbon additives	High temperature, and chemical service.	High tem- perature and chemi- cal service, some phosphate- ester fluids.	High temperature, general service.	Excellent for water & high pressure service.	All except very low pH fluids. A problem solver.	

(1) Pressure ratings are affected by actual condition of equipment, clearances and tolerances, leakage acceptability and other factors. Complete application data could result in slightly different recommendations. Contact the factory with specific questions and/or problems. Other styles available.

HOMOGENEOUS RUBBER					PLASTIC		
8452 Homogeneous Nitrile Elastomer	8455 Homogeneous Silicone Elastomer	9188 Homogeneous Butyl Elastomer	9511 Homogeneous Nitrile Elastomer	9600 Homo- geneous Fluoro- elastomer	7500 PTFE	7600 PTFE and Graphite	9003/9005 Glass Filled Nylon MARBLOCK®
●	●	●	●	●	●	●	
					●	●	●
●	●	●	●	●	●	●	●
	●	●		●	●	●	
	●	●		●	●	●	
●	●		●	●	●	●	●
	●	●		●	●	●	●
				●	●	●	
				●	●	●	
●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●
●	●		●	●	●	●	●
0° F(-17° C)	-70° F(-58° C)	-40° F(-40° C)	-20° F(0° C)	-20° F(-0° C)	Cryogenic	Cryogenic	-65° F(-54° C)
+250° F(+121° C)	+500° F(+260° C)	+250° F(+121° C)	+250° F(+121° C)	+400° F(+204° C)	+450° F(+232° C)	+450° F(+232° C)	+300° F(+149° C)
Good	Excellent	Good	Good	Very Good	Very Good	Very Good	Good
Vacuum to Low	Vacuum to Low	Vacuum to Low	Vacuum to Low	Vacuum to Low	Low to Medium	Low to Medium	High
Good	Fair	Good	Good	Fair	Fair	Good	Excellent
90 Duro Flexible	80 Duro Flexible	90 Duro Flexible	70 Duro Flexible	80 Duro Flexible	Firm	Hard	Hard
Good	Fair	Good	Good	Good			
MIL-R-3065, General purpose oil, air & water. Excellent low pressure seal.	All fluids but strong acids & alkalis, water and steam.	Same as style 433. For low pressure service.	General purpose - oil & water service. Excellent low pressure seal, especially when used in combination with fabric reinforced rings.	Excellent as wiper rings & low pressure seals in high temperature and chemical service.	Excellent for all fluids or non-lubricated service and foodstuffs. Also rotary service.	Especially suitable for soot blowers & brewery service.	Excellent bearing material for mobile cylinders. Low break-away friction. High strength.