

RUBBER POLYMERS PHYSICAL CHARACTERISTICS

ELASTOMER	Butyl	Viton	Hypalon	Natural	Neoprene	Nitrile
	<i>IIR</i>	<i>FKM</i>	<i>CSM</i>	<i>NR</i>	<i>CR</i>	<i>NBR</i>
Operating temperature	-45 to 150°C	-20 to 250°C	-35 to 150°C	-45 to 95°C	35 to 110°C	-35 to 125°C
Mechanical Strength	Fair / Poor	Good	Good / excellent	Excellent	Good / excellent	Good
Abrasion Resistance	Good	Good	Good	Good / excellent	Good	Excellent
Flex Resistance	Good	Poor / fair	Good	Excellent	Good	Fair
Low Temp. Flexibility	Good	Poor / fair	Fair / good	Good	Fair / good	Fair / good
Ozone / weather Resistance	Excellent	Excellent	Excellent	Poor / fair	Good	Fair
Water Resistance	Excellent	Excellent	Good	Good	Good	Good
Impermeability to Gases	Excellent	Good / excellent	Good / excellent	Fair	Good	Good
Oil Resistance	Poor	Excellent	Fair	Poor	Fair	Excellent
Fuel Resistance	Poor	Poor / fair	Poor / fair	Poor	Poor / fair	Good
Resistance to Dilute Acid	Excellent	Good	Excellent	Good	Fair	Excellent
Resistance to Dilute Alkali	Excellent	Fair	Excellent	Fair	Fair	Good
Special Properties		Heat & Chemical Resistance	Self extinguishing / good pigmentation		Self extinguishing	Fuel & Oil Resistance