

How Does EPDM Compare with other Polymers?

	POLYMER	NATURAL	SBR	NEOPRENE	EPDM	NITRILE	BUTYL	SILICONE
GENERAL	Service Temp (°C)	-55 to +90	-45 to +90	-55 to +95	-50 to +145	-55 to +110	-45 to +120	-75 to +235
	Hardness Range (Shore A)	30 to 90	40 to 90	40 to 95	30 to 90	40 to 95	40 to 75	40 to 80
	Tensile Strength (MPa)	22	17	20	15	15	14	10
	Compression Set	Good	Good	Fair to good	Good	Good	Fair	Fair
ATMOSPHERIC RESISTANCE	Ozone resistance	Poor	Poor	Very good	Excellent	Fair	Excellent	Excellent
	Heat aging	Fair	Fair to good	Very good	Excellent	Good	Very good	Outstanding
	Flame resistance	Poor	Poor	Good	Fair	Poor	Poor	Fair
	Sunlight aging	Poor	Fair	Very good	Excellent	Poor	Very good	Excellent
	Oxidation resistance	Good	Fair	Very good	Excellent	Good	Excellent	Excellent
OIL	Lubricating oils	Poor	Poor	Good	Poor	Very good	Poor	Fair
	Animal and vegetable oils	Poor to good	Poor to good	Good	Very good	Very good	Very good	Very good
ACID	Dilute	Fair to good	Fair to good	Excellent	Excellent	Good	Excellent	Excellent
	Concentrated	Fair to good	Fair to good	Good	Good	Good	Excellent	Fair
OTHER	Electrical insulation	Good to excellent	Good to excellent	Poor	Outstanding	Poor	Good to excellent	Excellent
	Abrasion resistance	Excellent	Good to excellent	Excellent	Good to excellent	Good	Good	Poor