

How the compounds compare

E = Excellent · G = Good · F = Fair · P = Poor — relative to each other

Property	NR	NBR	CR	IIR	EPDM	CSM	FKM
Best for	Cold water, abrasive slurry	Oil, fuel, oily water	Seawater, outdoor lines	Acids, gas, vacuum	Water, hot water, outdoor	Oxidising chemicals, outdoor	Hot oil, solvents, strong acids
Mechanical							
Tensile strength	Excellent	Good	Good	Fair	Good	Good	Good
Tear resistance	Excellent	Good	Good	Good	Fair	Good	Fair
Abrasion resistance	Excellent	Good	Good	Fair	Good	Good	Good
Flex life (movement)	Excellent	Good	Good	Good	Good	Good	Fair
Environment							
Heat ageing	Fair	Good	Good	Excellent	Excellent	Excellent	Excellent
Ozone and sunlight	Poor	Poor	Good	Excellent	Excellent	Excellent	Excellent
Gas tightness / vacuum	Good	Good	Good	Excellent	Good	Good	Excellent
Water and hot water	Good	Good	Good	Excellent	Excellent	Good	Fair
Media							
Mineral oil	Poor	Excellent	Good	Poor	Poor	Good	Excellent
Fuel, gasoline	Poor	Good	Fair	Poor	Poor	Fair	Excellent
Aromatics (benzene)	Poor	Poor	Poor	Poor	Poor	Fair	Excellent
Strong acids	Fair	Fair	Good	Good	Good	Good	Excellent
Weak acids	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent
Strong alkalis	Good	Good	Good	Excellent	Excellent	Good	Poor
Weak alkalis	Good	Good	Good	Excellent	Excellent	Excellent	Fair
Relative price	\$	\$\$	\$\$	\$\$	\$	\$\$\$	\$\$\$\$