

Basic properties of the most common commercially available rubbers

	Butyl - IIR	Epichlorohydrin - ECO	EPDM	Fluoroelastomer - FKM	Hypalon® - CSM	Natural Rubber - NR	Neoprene® - CR	Nitrile - NBR	Hydrogenated Nitrile - HNBR	Perfluoroelastomer - FFKM	Polyurethane	SBR	Silicone - VMQ	
Abrasion Resistance	F	G	G	G	G	E	G	G	G	P	E	G	P	Abrasion Resistance
Chemical Resistance	G	G	E	E	G	G	F	F	E	E	F	G	F	Chemical Resistance
Compression Set Properties	F	F	G	G	F	G	F	G	G	G	F	G	G	Compression Set Properties
Electrical Properties	E	F	G	F	G	E	F	F	G	E	G	E	E	Electrical Properties
Flame Resistance	P	G	P	E	G	P	G	P	P	E	P	P	G	Flame Resistance
Heat Resistance	G	G	E	E	G	P	G	G	E	E	F	F	E	Heat Resistance
Low Temperature Properties	G	G	G	F	G	E	G	G	G	P	G	G	E	Low Temperature Properties
Oil Resistance	P	E	P	E	E	P	G	E	E	E	G	P	F	Oil Resistance
Ozone / Weathering Resistance	E	E	E	E	E	P	G	F	E	E	E	P	E	Ozone / Weathering Resistance
Permeability to Gases	E	G	G	G	E	P	G	G	G	G	G	G	P	Permeability to Gases
Physical Strength Properties	G	G	G	G	G	E	G	G	G	G	E	G	F	Physical Strength Properties
Water Resistance	F	F	E	E	E	G	F	G	E	E	F	G	F	Water Resistance

Key: E = Excellent - G = Good - F = Fair - P = Poor

The information given above is only an indication of the properties achievable for the range of elastomers listed. [Elastomer Engineering Ltd](#) offers no guarantees on the suitability of its products for a particular set of conditions based upon the contents of this table.