



Sheet Rubber Selection Chart

	Thickness Range (mm)*	Durometer Hardness (Shore A ± 5)	Temperature Range	Abrasion Resistance	Ozone / UV Resistance	Oil Resistance	Acid Resistance	Further Information
Natural Rubber Insertion	1.5 – 9.0	65	-0°C to 65°C	Good	Poor	Poor	Fair	Economical Good resilience and abrasion resistance Good vibration dampening characteristics Available with cotton insertion as standard
Neoprene	0.4 – 25.0	60	0°C to 65°C	Fair	Fair	Good	Fair	Moderate resistance to Ozone, UV & Oxygen Used extensively for sealing refrigeration fluids Very resistant to flex cracking Economical general purpose grade
Nitrile	1.5 – 9.0	65	-25°C to 90°C	Good	Poor	Excellent	Good	Most widely used elastomer in the seal industry Excellent resistance to petroleum products and oils Excellent compression set, superior tear resistance Poor ozone and weather resistance
EPDM	1.5 – 12.0	70	-30°C to 120°C	Good	Excellent	Poor	Good	Excellent ozone and UV resistance, good chemical resistance Used extensively for hot water, potable water and steam. Available as sulphur cured or peroxide cured Poor petroleum, oil and solvent resistance
Red Natural Rubber	1.5 – 25.0	40	-20°C to 70°C	Excellent	Poor	Poor	Fair	Excellent in highly abrasive applications Highly elastic due to softer standard duro Available in a wide range of thicknesses Available smooth or buffed for bonding to steel
FRAS Rubber	1.5 – 19.0	65	-25°C to 90°C	Good	Fair	Fair	Fair	Fire Resistant and Anti-Static Good abrasion and tear strength Used heavily in underground mining applications SBR (Styrene-Butadiene) Based
Silicone	0.8 – 12.7	60	-60°C to 230°C	Good	Excellent	Good	Good	Outstanding extreme temperature resistance Clean, low odour and taste Used in many FDA applications High dielectric strength, low abrasion resistance
Viton® A	0.8 – 9.5	75	-18°C to 204°C	Fair	Excellent	Excellent	Excellent	Outstanding resistance to most chemicals, acids and oils Resistant to high temperatures Highly resistant to swelling Poor resistance to hot water and steam



*Thicknesses generally available ex-stock, other thicknesses may be produced on request

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