

Material	Standard colour	Shore Hardness	Applications	Temperature
Nitrile	Black	90	Transformer and machine oils,	-40° to +135°C
		80	Engine oils S.A.E 10 to 40 and multigrade	
		70	Tractor Universal Oil	
		60	Pneumatic applications	
		70	Water and Sea-water Water-soluble oil emulsions Anti-freeze (water/ethylene-glycol)	-30°C to +100°C
High Nitrile	Black	75	Gear oils S.A.E 70 to 120 and E.P Lubricants Ester-based lubricants Paraffin and Petrol	-30°C to +135°C
		75	Towns and natural gases	Upto +80°C
Neoprene	Black	70	Resistant to weathering, oxidation and ozone	-30°C to +80°C
Polyurethane	Opaque / Cloudy	70	High abrasion resistance	-30°C to +90°C
EPDM	Black	70	Exhibits good weathering and ozone resistance Resistance to castor based and certain F.R fluids Excellent resistance to Hot water and steam	-50°C to +120°C
Viton	Black	75	Good resistance to various chemicals, mineral oils and fuels.	-25°C to +250°C
		75	Towns and natural gases	Upto +80°C
Silicone	Red	70	Extreme temperature compound, limited oil and fuel resistance. Good resistance to hot air and satisfactory for use in hot water	-60°C to +200°C
Perfluoroelastomeric Isolast Kalrez Perlast	Black	/	They have excellent resistance to high temperatures and chemicals. They also show low swelling with almost all media.	New materials extend capabilities to +325°C
PTFE	White	/	Chemically inert Foodstuffs, pharmaceutical and medical products.	-50°C to +175°C
FEP Encapsulated Silicone	Silicone: Red. FEP: Clear.	/	Good chemical resistance to most liquids, exception of liquid alkaline metals and some fluorine compounds	-60°C to +200°C
FEP Encapsulated Viton	Viton: Black. FEP: Clear.	/	Physiologically safe and can be sterilized	-20°C to +200°C