



### > SUPPLY SERVICE SYSTEMS

## **Quick Glance Material Chart**

Material	Standard Colour	Shore Hardness	Applications	Temperature
Nitrile	Black	90	Transformer and machine oils. Engine oils S.A.E 10 to 40 and multigrade. Tractor Universal Oil. Pneumatic applications. Water and Sea-water. Water-soluble oil emulsions. Anti-freeze (water/ethylene-glycol)	
		80		- 40° to +135° C
		70		- 40 10 +105 C
		60		
		70		- 30° 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° to +135° C
		75	Towns and natural gases.	up to +80°C
Neoprene	Black	70	Resistant to weathering, oxidation & ozone.	- 30° to +80° C
Polyurethane	Opaque/Cloudy	70	High abrasion resistance.	- 30° 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° to +120° C
Viton	Black	75	Good resistance to numerous chemicals, mineral oils/fuels.	- 25° to +250° C
		75	Towns and natural gases.	up to +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° 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.	- 50° to +175° C
FEP Encapsulated Silicone	FEP: Clear Silicone: Red	/	Good chemical resistance to most liquids, exception of liquid alkaline metals and some fluorine compounds.	- 60° to +200° C
FEP Encapsulated Viton	FEP: Clear Viton: Black	/	Physiologically safe and can be sterilized.	- 20° to +200° C

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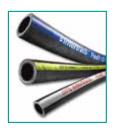


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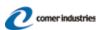




























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