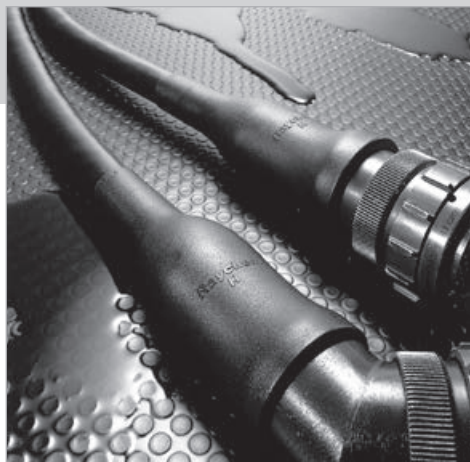




Moulded parts and shapes with fluoroelastomers are designed to be used in conjunction with tubing made from fluoroelastomers or multi-conductor cable jackets and a suitable adhesive. This system provides excellent resistance to elevated temperatures and continuous fuel immersion. Available in a wide range of configurations, The standard colour is black.

Operating Temperature

- From -55°C to 200°C

Installation

- Minimum shrink temperature 175°C
- Recommended shrink temperature 220°C

Specifications & Approvals

- Def. Stan. 59-97 Issue 3 Type DD (Europe)
- BS-G-198-5-DD-P (Europe)
- SAE-AS81765/4
- SAE-AS85049/ 140, 141, 142

Product Characteristics, -12 material

		Specification Requirements	Test Method
Physical	Tensile strength	12.4 MPa (min)	ISO 37
	Ultimate elongation	300% (min)	ISO 37
	2% secant modulus	70 MPa (max)	ASTM D 882
	Specific gravity	1.95 (max)	ISO 1183
Thermal	Heat aging for 168 hrs @ 250°C	Ultimate elongation 250% (min)	ISO 188, ISO 37
	Heat shock for 4 hrs @ 300°C	No dripping, cracking or flowing	ASTM D 2671
	Low temperature flex @ -55°C	No cracking during mandrel bend	ASTM D 2671
	Flammability	30 s (max)	ASTM D 635
Electrical	Electric strength	8 MV/m (min)	IEC 243
Water absorption	-	0.5% (max)	ISO 62
Fluid resistance	Aviation fuel F40	Tensile strength 11 MPa (min) Ultimate elongation 200% (min)	ISO 1817 after immersion for 24 hrs @ 23°C
	Lubricating oil O-149	Tensile strength 11 MPa (min) Ultimate elongation 200% (min)	ISO 1817 after immersion for 24 hrs @ 23°C
	Hydraulic fluid H515	Tensile strength 11 MPa (min) Ultimate elongation 200% (min)	ISO 1817 after immersion for 24 hrs @ 23°C