-3
Moulded Part Material
Semi-rigid modified Polyolefin

Designed for use in general harnessing applications where toughness is required and systems are occasionally exposed to fluids or heat. The adhesive-lined parts provide excellent sealing and strain relief at connector-cable terminations and transitions. A wide range of shapes are available in this material. The standard colour is black.

Operating Temperature
- From -55°C to 135°C

Installation
- Minimum shrink temperature 125°C
- Recommended shrink temperature 150°C

Specifications & Approvals
- UL-224, File E85381
- SAE-AS81765/1, Type I
- Def. Stan. 59-97 Issue 3 Type DA (Europe)
- BS-G-198-5-DA (Europe)

Product Characteristics, -3 material

		Specification Requirements	Test Method
Physical	Tensile strength	10.5 MPa (min)	ISO 37; ASTM D 412
	Ultimate elongation	250% (min)	ISO 37; ASTM D 412
	2% secant modulus	80 - 160 MPa	ASTM D 882
	Specific gravity	1.4 (max)	ISO 1183; ASTM D 792
Thermal	Heat aging for 168 hrs @ 175°C	Ultimate elongation 150% (min)	ISO 188, ISO 37
	Heat shock for 4 hrs @ 225°C	No dripping, cracking or flowing	ASTM D 2671
	Low temperature flex @ -55°C	No cracking during mandrel bend	RK-6703, CL 2.7: RT-301
	Flammability	Self-extinguishing	RK-6703, CL 2.8: 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 8.5 MPa (min) Ultimate elongation 200% (min)	ISO 1817 and ISO 37 after immersion for 24 hrs @ 23°C
	Lubricating oil O-149	Tensile strength 8.5 MPa (min) Ultimate elongation 200% (min)	ISO 1817 and ISO 37 after immersion for 24 hrs @ 23°C
	Phosphate ester hydraulic fluid (DTD 900/4881 A)	Tensile strength 8.5 MPa (min) Ultimate elongation 200% (min)	ISO 1817 and ISO 37 after immersion for 24 hrs @ 23°C