

Moulded Parts and Shapes

-25

Moulded Part Material

Fluid resistant modified Elastomer

Heat-shrinkable moulded parts in -25 material are designed to be used in conjunction with components such as DR-25 tubing and S1125 adhesive, providing a complete cable harness system capability. Being specifically formulated and designed to provide optimum high-temperature fluid resistance and long term heat resistance. This unique balance of properties makes -25 parts particularly suitable for sealing and strain relief at connector-cable terminations and cable to cable transitions on defence vehicle cables and harnesses. The standard colour is black.



Operating Temperature

- From -75°C to 150°C

Installation

- Minimum shrink temperature 135°C
- Recommended shrink temperature 150°C

Specifications & Approvals

- VG95343 Parts 6, 7, 8 and 9 (Europe)
- Def Stan 59-97, Issue 3, Type DE (Europe)
- BSG-198-5-DE-P
- SAE-AS85049/ 140, 141, 142

Product Characteristics, -25 Material

		Specification Requirements	Test Method
Physical	Tensile strength	15 MPa (min)	ASTM D 412
	Ultimate elongation	350% (min)	ASTM D 412
	Specific gravity	1.5 (max)	ASTM D 792
Thermal	Heat aging for 168 hrs @ 150°C	Ultimate elongation 300% (min)	ASTM D 412
	Heat shock for 4 hrs @ 225°C	No dripping, cracking or flowing	ASTM D 2671
	Low temperature flex @ -70°C	No cracking during mandrel bend	ASTM D 2671
	Flammability	120 s (max)	ASTM D 635
Electrical	Electric strength	8 MV/m (min)	ASTM D 149
Fluid resistance	Aviation fuel JP-4 (MIL-T-5624)	Tensile strength 12 MPa (min) Ultimate elongation 300% (min)	ASTM D 412 after immersion for 24 hrs @ 25°C
	Hydraulic fluid (MIL-H-6083)	Tensile strength 12 MPa (min) Ultimate elongation 300% (min)	ASTM D 412 after immersion for 24 hrs @ 25°C
	Diesel fuel (VV-F-800 No.2)	Tensile strength 12 MPa (min) Ultimate elongation 300% (min)	ASTM D 412 after immersion for 24 hrs @ 50°C
	Automotive gasoline (MIL-G-3056)	Tensile strength 12 MPa (min) Ultimate elongation 300% (min)	ASTM D 412 after immersion for 24 hrs @ 25°C