



#### Applications

-12 moulded parts and shapes provide excellent resistance to elevated temperatures and continuous fuel immersion, and can be combined with other products utilising the same material to produce a fully compatible integrated harness system.

#### Features & Benefits

- Operating Temperature -55°C to +200°C
- Long-term fuel immersion resistance
- Fluid resistant and flexible

#### Installation

- Minimum Shrink Temperature +175°C
- Recommended Installation Temperature +220°C

#### Specifications/Approvals

- Def Stan 59-97 Issue 3 Type DD (Europe)
- MIL-I-81765/4 (U.S)
- RT-1312 and RK-6712
- BSG 198 Part 5 Type DD-P (Europe)

#### Product Characteristics

#### Specification Requirements

#### Test Method

<b>Physical</b>	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
<b>Thermal</b>	Heat aging for 68hrs @ +250°C	Ultimate elongation 250% (min)	ISO 37 ISO 188
	Heat shock for 4hrs @ +300°C	No dripping, cracking or flowing	ASTM D 2671
	Low temperature Flexibility @ -55°C	No cracking during mandrel bend	ASTM D 2671
	Flammability (burn)	30 secs (max)	ASTM D 635
<b>Electrical</b>	Electric strength	8MV/m (min)	IEC 243
<b>Water Absorption</b>		0.5% (max)	ISO 62
<b>Fluid Resistance</b>		<b>(Minimum)</b>	<b>(Immersion)</b>
	Aviation fuel F40	Tensile strength 11 MPa	ISO 1817
		Ultimate elongation 200%	24hrs @ +70°C
	Lubricating oil O-149	Tensile strength 11 MPa	ISO 1817
		Ultimate elongation 200%	24hrs @ +70°C
Hydraulic fluid H-515	Tensile strength 11 MPa	ISO 1817	
	Ultimate elongation 200%	24hrs @ +70°C	