

## Semi-rigid modified Polyolefin



### Specifications/Approvals

- Def Stan 59-97 Issue 3 Type DA (Europe)
- UL-224 File E85381
- MIL-I-81763/1, Class I (U.S)
- RT-301 and RK-6703
- BSG 198 Part 5 Type DA (Europe)

### Applications

Designed for use in general harnessing applications, where toughness is required. -3 moulded parts and shapes are used in systems that require protection from exposure to fluids and heat.

### Features & Benefits

- Operating Temperature from -55°C to +135°C
- Semi-rigid, Flame retardant
- Good resistance to fluid and heat

### Installation

- Minimum Shrink Temperature +125°C
- Recommended Installation Temperature +150°C

Product Characteristics	Specification Requirements	Test Method
<b>Physical</b>	Tensile strength	10.5 MPa (min)
	Ultimate elongation	250% (min)
	2% secant modulus	80 - 160 MPa
	Specific gravity	1.4 (max)
<b>Thermal</b>	Heat aging for 168hrs @ +175°C	Ultimate elongation 150% (min)
	Heat shock for 4hrs @ +225°C	No dripping, cracking or flowing
	Low temperature Flexibility @ -55°C	No cracking during mandrel bend
	Flammability	Self extinguishing
<b>Electrical</b>	Electric strength	8 MV/m (min)
<b>Water Absorption</b>		
<b>Fluid Resistance</b>		<i>Minimum</i>
	Aviation fuel F40	Tensile strength 8.5 MPa
		Ultimate elongation 200%
	Lubricating oil O-149	Tensile strength 8.5 MPa
		Ultimate elongation 200%
	Phosphate ester hydraulic fluid (DTD 900/4881A)	Tensile strength 8.5 MPa
	Ultimate elongation 200%	
		<i>Immersion</i>
		ISO 1817 & ISO 37
		24hrs @ +23°C
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		24hrs @ +23°C