

Semi-Rigid Modified Polyolefin

Product Facts

- Heat-shrinkable
- Semi-Rigid
- Flame Retardant
- Good resistance to fluids and heat



Applications

TE molded parts in -3 material are 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 color is black.

Installation

-3 molded parts will shrink on the application of heat above 125°C [257°F].
Recommended installation temperature: 150°C [302°F]


Operating Temperature Range

-55°C to 135°C
[-67°F to 275°F]

Available in:	Americas	Europe	Asia Pacific
	■	■	■

-3 (Continued)

Specifications/Approvals

	Military	TE
224, File E85381	SAE-AS81765/1, Type I Def. Stan. 59-97 Issue 3 Type DA (Europe) BS-G-198-5-DA (Europe)	RT-301
—	SAE-AS85049/ 140, 141, 142 (material designator A)	—

Product Characteristics

		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 h at 175°C [347°F]	Ultimate elongation 150% (min.)	ISO 188, ISO 37
	Heat shock for 4 h at 225°C [437°F]	No dripping, cracking, or flowing	ASTM D 2671
	Low-temperature flex at -55°C [-67°F]	No cracking during mandrel bend	RK-6703, CL 2.7: RT-301 Sec. 4.3.4
	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 h at 23°C [73°F]
	Lubricating oil O-149	Tensile strength 8.5 MPa (min.) Ultimate elongation 200% (min.)	ISO 1817 and ISO 37 after immersion for 24 h at 23°C [73°F]
	Phosphate ester hydraulic fluid (DTD 900/4881A)	Tensile strength 8.5 MPa (min.) Ultimate elongation 200% (min.)	ISO 1817 and ISO 37 after immersion for 24 h at 23°C [73°F]

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [TE Connectivity](#) manufacturer:

Other Similar products are found below :

[D38999/24FJ4AN](#) [570416-000](#) [CLTEQ-M81CE-SSRELAY-4-20V](#) [4-1195131-0](#) [650069-000](#) [SMD100-2](#) [358838-000](#) [CB-1022B-78](#)
[RM707012](#) [RP410012](#) [MMS42](#) [1-640426-8](#) [2EDL4CM](#) [DTS20W19-11PD-3028-LC](#) [RM202615](#) [NC6-P104-06](#) [MSPS103B](#) [DTS26F21-](#)
[41HE-LC](#) [DTS26F21-41AE](#) [DTS26F21-41PE-LC](#) [DTS26F21-11SE-3028-LC](#) [30DCB6](#) [1932144-1](#) [293545-4](#) [LVR125S](#) [MS27466T25F4PB](#)
[CKB-38-78010](#) [TR04AI-TINELLOCKRING](#) [1206SFF150F/63-2](#) [D38999/20JB35HA](#) [TE1500A2R2J](#) [D38999/20WC8BB](#) [DTS24F19-11SC-](#)
[3028-LC](#) [D38999/24WG11HA](#) [D38999/24WG11HN](#) [MS27467T21F11H](#) [DJT16E21-11HA](#) [MS27467T21F35J](#) [MS27467T21F11J](#)
[MS27467T21F16H-LC](#) [MS27467T21F35H](#) [MS27467T21F41H-LC](#) [1206SFH150F/24-2](#) [RP330024](#) [DJT16E21-11PA-LC](#) [DJT16E21-11HA-](#)
[LC](#) [DJT16E21-11AA](#) [MS27467T21B11JA](#) [DJT16E21-11JA](#) [MS27467T21B11JA-LC](#)