-4

Flexible Polyolefin

Product Facts

- **Heat-shrinkable**
- **Flexible**
- **Flame Retardant**
- **Good resistance to fluids and heat**

Applications

TE molded parts in -4 material are designed for use in general harnessing applications where toughness is required and systems are occasionally exposed tofluids 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

-4 molded parts will shrink on the application of heat above 100°C [212°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
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Catalog 1654025
Revised 5-12

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-4 (Continued)

Specifications/Approvals

UL	Military	TE
224, File E85381	SAE-AS81765/1, Type II	RT-1304
—	SAE-AS85049/ 140, 141, 142 (material designator B)	—

Product Characteristics

		Specification Requirements	Test Method
Physical	Tensile strength	1800 psi (min.)	ASTM D 412
	Ultimate elongation	400% (min.)	ASTM D 412
	Specific gravity	1.3 (max.)	ASTM D 792
Thermal	Heat aging for 168 h at 175°C [347°F]	Ultimate elongation 300% (min.)	RT 1304 Sec. 4.3.3
	Heat shock for 4 h at 225°C [437°F]	No dripping, flowing, or cracking	RT 1304 Sec. 4.3.5
	Low-temperature flex at -55°C [-67°F]	No cracking	RT 1304 Sec. 4.3.4
	Flammability (burn time)	Average flame time: 120 s (max.)	ASTM D 635
Electrical	Dielectric strength	350 V/mil (min.)	ASTM D 149
Water absorption	—	0.3% (max.)	ASTM D 570
Fluid resistance	JP-4 fuel, aviation gasoline, water, hydraulic fluid	Tensile strength 8.5 MPa psi (min.) Ultimate elongation 200% (min.)	RT-1304 Sec. 4.3.3

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Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

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