**-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 |
|---|---|---|---|
| | ■ | ■ | ■ |



Catalog 1654025
Revised 5-12

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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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**-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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## TE Connectivity:

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