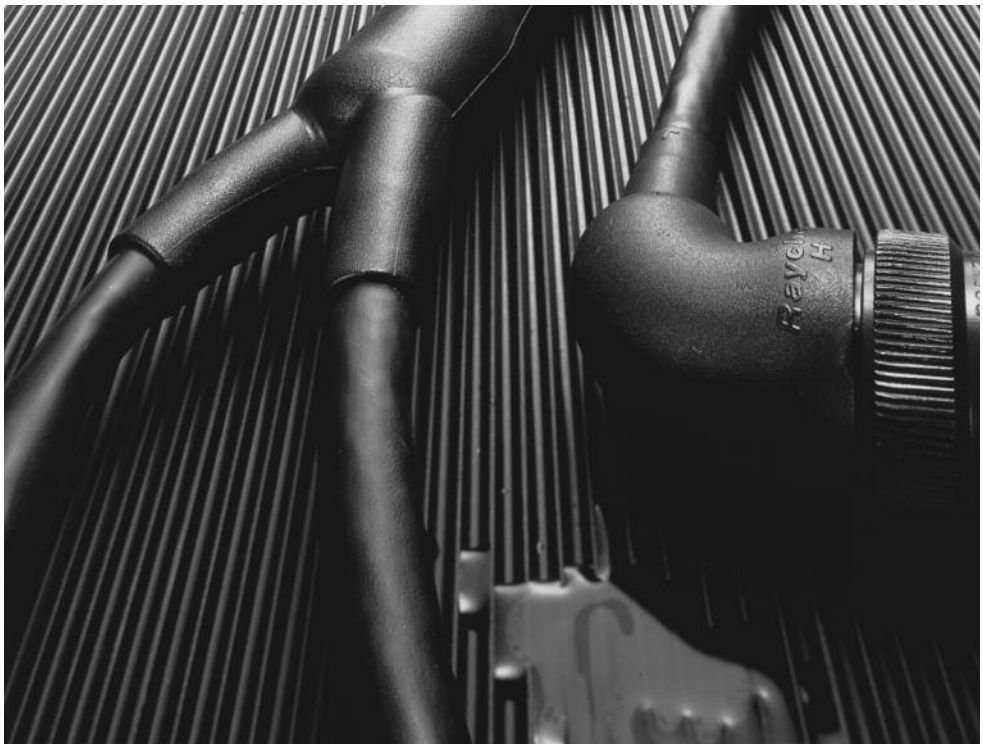
## -25

### Fluid-Resistant Modified Elastomer

### Product Facts

- **Heat-shrinkable, semi-rigid, chemical- and abrasion-resistant molded shapes**
- **Excellent resistance to high-temperature fluids**
- **Resistance to long-term exposure at elevated temperatures**





#### Applications

TE heat-shrinkable molded parts in -25 material are designed to be used in conjunction with other System 25 components such as DR-25 tubing and S1125 adhesive, providing a complete cable harness system capability.

-25 parts have been specifically formulated and designed to provide optimum high-temperature fluid resistance and long-term heat resistance. This unique balance of properties makes -25 parts particularly suitable for sealing and strain relief at connector-cable terminations and cable-to-cable transitions on military vehicle cables and harnesses. Available in a wide range of configurations, -25 parts will operate from -75°C to 150°C [-103°F to 302°F] for long periods. The standard color is black.

#### Installation

-25 molded parts will shrink on the application of heat above 135°C [275°F].

Recommended installation temperature: 175°C [347°F]

#### Operating Temperature Range

-75°C to 150°C
[-103°F to 302°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.

USA: +1 (800) 522-6752
Canada: +1 (905) 475-6222
Mexico/C. Am.: +52 (0) 55-1106-0800
Latin/S. Am.: +54 (0) 11-4733-2200
Germany: +49 (0) 6251-133-1999
UK: +44 (0) 800-267666
France: +33 (0) 1-3420-8686
Netherlands: +31 (0) 73-6246-999
China: +86 (0) 400-820-6015

**-25** (Continued)

## Specifications/Approvals

| Military | TE |
|---|---|
| VG95343 Parts 6, 7, 8 and 9 (Europe) | RW-2070 |
| Def Stan 59-97, Issue 3, Type DE (Europe) | — |
| BSG-198-5-DE-P | — |
| SAE-AS85049/ 140, 141, 142 (material designator H) | — |

## Product Characteristics

| | | Specification Requirements | Test Method |
|---|---|---|---|
| Physical | Tensile strength | 15 MPa (min.) | ASTM D 412 |
| | Ultimate elongation | 350% (min.) | ASTM D 412 |
| | Specific gravity | 1.5 (max.) | ASTM D 792 |
| Thermal | Heat aging for 168 h at 150°C [302°F | Ultimate elongation 300% (min.) | ASTM D 412 |
| | Heat shock for 4 h at 225°C [437°F] | No dripping, cracking, or flowing | ASTM D 2671 |
| | Low-temperature flex for 4 h at -70°C [-94°F] | No cracking during mandrel bend | ASTM D 2671 |
| | Flammability (burn time) | 120 s (max.) | ASTM D 635 |
| Electrical | Electric strength | 8 MV/m | ASTM D 149 |
| Fluid resistance | Aviation fuel JP-4 (MIL-T-5624) | Tensile strength 12 MPa (min.) Ultimate elongation 300% (min.) | ASTM D 412 after immersion for 24 h at 25°C [77°F] |
| | Hydraulic fluid (MIL-H-6083) | Tensile strength 12 MPa (min.) Ultimate elongation 300% (min.) | ASTM D 412 after immersion for 24 h at 25°C [77°F] |
| | Diesel fuel (VV-F-800 No 2) | Tensile strength 12 MPa (min.) Ultimate elongation 300% (min.) | ASTM D 412 after immersion for 24 h at 50°C [122°F] |
| | Automotive gasoline (MIL-G-3056) | Tensile strength 12 MPa (min.) Ultimate elongation 300% (min.) | ASTM D 412 after immersion for 24 h at 25°C [77°F] |



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