

**Modified Fluoroelastomer**

**Product Facts**

- Heat-shrinkable, flexible, fluid-resistant modified fluoro-elastomer
- Excellent resistance to long-term fuel immersion



**Applications**

TE -12 molded parts with fluoroelastomers are designed to be used in conjunction with tubing made from fluoroelastomers or multi-conductor cable jackets and a suitable adhesive in System 200.

This system provides excellent resistance to elevated temperatures and continuous fuel immersion. Available in a wide range of configurations, -12 molded parts will operate from -55°C [-67°F] to 200°C [392°F]. The standard color is black.

**Installation**

-12 molded parts will shrink on the application of heat above 175°C [347°F].

Recommended installation temperature: 220°C [428°F]

**Operating Temperature Range**

-55°C to 200°C  
[-67°F to 392°F]

| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
|               | ■        | ■      | ■            |

-12 (Continued)

Specifications/Approvals

| Military  | TE      |
|---|---------|
| SAE-AS81765/4   | RT-1312 |
| Def. Stan. 59-97 Issue 3 Type DD (Europe)             | —       |
| BS-G-198-5-DD-P (Europe)                              | —       |
| SAE-AS85049/ 140, 141, 142<br>(material designator D) | —       |

Product Characteristics

|                  |                                       | Specification Requirements  | Test Method  |
|------------------|---------------------------------------|---|--|
| Physical         | Tensile strength                      | 12.4 MPa (min.)   | ISO 37   |
|                  | Ultimate elongation                   | 300% (min.)   | ISO 37   |
|                  | 2% secant modulus                     | 70 MPa (max.)   | ASTM D 882   |
|                  | Specific gravity                      | 1.95 (max.)   | ISO 1183   |
| Thermal          | Heat aging for 168 h at 250°C [482°F] | Ultimate elongation 250% (min.)                                   | ISO 188, ISO 37                                      |
|                  | Heat shock for 4 h at 300°C [572°F]   | No dripping, cracking, or flowing                                 | ASTM D 2671  |
|                  | Low temperature flex at -55°C [-67°F] | No cracking   | ASTM D 2671  |
|                  | Flammability (burn time)              | 30 s (max.)   | 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 11 MPa (min.)<br>Ultimate elongation 200% (min.) | ISO 1817<br>after immersion for 24 h at 23°C [73°F]  |
|                  | Lubricating oil O-149                 | Tensile strength 11 MPa (min.)<br>Ultimate elongation 200% (min.) | ISO 1817<br>after immersion for 24 h at 93°C [200°F] |
|                  | Hydraulic fluid H515                  | Tensile strength 11 MPa (min.)<br>Ultimate elongation 200% (min.) | ISO 1817<br>after immersion for 24 h at 93°C [200°F] |

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Cable Boots](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[618235-000](#) [622A014-3-0](#) [CX4132-000](#) [879103-4](#) [879515-000](#) [889092](#) [982033-2](#) [R280576000](#) [1300830729](#) [MTPSRBCL-C](#) [1811481-1](#)  
[200W531-3-0](#) [202A121-386-0](#) [202A142-4-00/42-0](#) [202A163-4-0-CS5067](#) [202B221-13-0](#) [202B231-13-0](#) [202B563-25-07-0](#)  
[202C621710CS5361](#) [202D132-4-07/42-0](#) [202D221-4-0-CS5349](#) [202D221-4-26-0](#) [202D263-25-08-0](#) [202D263-4-22/42-0](#) [202D263-4-88-0](#)  
[202D921-2542-0](#) [202E336-71-0](#) [202F211-50-22-0-CS8474](#) [202F242-50-05-0](#) [202F242-51-04/164-0](#) [202K121-25-CS-1858-0](#) [202K121-25-](#)  
[CS-2062-0](#) [202K132-25-01/225-0CS8387](#) [202K153-3-0186-0](#) [202S132-25-UP-0](#) [203W301-3/42-0](#) [207W613-100/184-0-CS5657](#) [207W623-](#)  
[100-01/184-0](#) [207W634-100/184-0-CS5657](#) [207W656-100-01/184-0](#) [207W667-100-01/184-0](#) [207W667-100/184-0](#) [208A011-3-0](#) [208A021-3-](#)  
[0](#) [221A011-51164-0-CS7133](#) [222A121-2586](#) [222A152-342-0](#) [222A213-25-0-CS5613](#) [222D221-25-13/86-0](#) [222D232-4-61-0-CS5078](#)