



-12

Modified fluoroelastomer



Applications

Raychem -12 Viton molded parts are designed to be used in conjunction with Viton tubing or multiconductor cable jackets and a suitable adhesive in Raychem's 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 to 200°C. The standard color is black.

Operating temperature range

-55°C to 200°C

Features and benefits

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

Installation

Raychem -12 molded parts will shrink on the application of heat above 175°C.
Recommended installation temperature: 220°C.

Available in:

Americas



Europe



Asia Pacific



Fax-on-demand

US only (800) 260-9099

Outside US (650) 257-2301

Fax ID

4104

DescriptionRT-1312
specificationVisit our website at www.tycoelectronics.com**Specifications/approvals**

Military	Raychem
MIL-I-81765/4 (U.S.)	RT-1312
Def. Stan. 59-97 Issue 3 Type DD (Europe)	RK-6712
BS-G-198-5-DD-P (Europe)	

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	Ultimate elongation 250% (min.)	ISO 188, ISO 37
	Heat shock for 4 h at 300°C	No dripping, cracking, or flowing	ASTM D 2671
	Low temperature flex at -55°C	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.)	ISO 1817
		Ultimate elongation 200% (min.)	after immersion for 24 h at 23 hrs
	Lubricating oil O-149	Tensile strength 11 MPa (min.)	ISO 1817
		Ultimate elongation 200% (min.)	after immersion for 24 h at 93°C
	Hydraulic fluid H515	Tensile strength 11 MPa (min.)	ISO 1817
		Ultimate elongation 200% (min.)	after immersion for 24 h at 93°C