

**Fax-on-Demand:** (800) 260-9099  
(650) 361-6523

**Before ordering check with  
factory for most current data.**

## Viton

High-temperature wire and cable jacket material

### Applications

Viton is a material specially formulated for use in applications where exceptional performance is required. It displays excellent stability during continuous high-temperature exposure to adverse chemical environments.

With its continuous operating temperature of up to 200°C, Viton is used in applications in aircraft fuel tanks and on high-performance engine cables. Viton cable jackets are compatible with Raychem's high-temperature harnessing system—System 200 (for more details, contact Raychem).

### Features/Benefits

- High-temperature capability up to 200°C.
- Excellent chemical resistance.
- Flame-retardance.
- Continuous aircraft fuel immersion.



### Product Characteristics\*

<b>Mechanical</b>	Tensile strength	8.0 MPa (min.)	
	Elongation	125% (min.)	
	Cold bend -20°C ±3°C	No cracking	
<b>Thermal aging</b>	Heat age	168 h at 250°C	
	Heat shock (6 h at 300°C ±3°C)	No cracks, drips or flowing, 6 mm (0.24 in) total shrinkage in 300 mm (11.8 in)	
<b>Fluid resistance</b>	<b>Immersion</b>	<b>% retention (min.) tensile strength</b>	<b>Elongation</b>
	Diesel oil (100°C for 24 h)	60	60
	IRM902 oil (100°C for 24 h)	60	60
<b>Electrical</b>	Insulation resistance	10 megohms km (min.)	
<b>Other</b>	45°C flammability	30 s (max.) afterburn 100 mm/4 in. (max.) burn length	
	Vertical flammability	Self-extinguishing	

\*Jacket properties per Raychem specification WCD 51/1632.

Raychem and System 200 are trademarks of Raychem Corporation.  
Viton is a trademark of E. I. du Pont de Nemours and Company.

Users should independently evaluate the suitability of the product for their application.