

# Tufel™ 150 LT

## Low Temperature

### Product Description

Two component silicone high consistency elastomer formulated for use in low temperature environments such as biopharmaceutical tubing storage or transport.

### Key Features and Typical Benefits

- Good physical property performance at temperatures as low as -114C
- Pt cure
- Biocompatible
- High Resilience
- Extrudable or compression moldable

### Typical Physical Properties

#### Typical Characteristics of Uncured Tufel 150 LT Silicone Rubber

Properties	Tufel 150 LT
Specific Gravity	1.19
Appearance	Transparent
Williams Plasticity Range (ASTM D-926)	390

#### Typical Physical Properties of Tufel 150 LT Silicone Rubber catalyzed with 1.0pphr of CA-8 per 99 pphr of base compound

ASTM Method	Press Cure – 10 minutes @ 177°C (350°F)	Tufel 150 LT
D-2240	Hardness, Durometer A	45
D-412	Tensile Strength, psi	1440
	MPa	10
D-412	Elongation, %	800
D-624	Tear Resistance, Die B, ppi	280
	KN/m	49
D-412	Tensile Modulus @100% psi	145
	MPa	1.0
D-395	Compression Set, % 22 hrs @177C (350F)	40
D-2932	Bayshore Resilience	36
ASTM D 1003	% Haze	11
ASTM D 1003	% Transmittance	91
	<b>Post Cure – 2 hrs @177°C (350°F)</b>	
D-2240	Hardness, Durometer A	50
D-412	Tensile Strength, psi	1260
	MPa	9
D-412	Elongation, %	680

D-624	Tear Resistance, Die B, ppi	290
	KN/m	50
D-412	Tensile Modulus @ 100% psi	170
	MPa	1.2
ASTM D 1003	% Haze	10
ASTM D 1003	% Transmittance	90
D-395	Compression Set, % 22 hrs. @ 177°C (350°F)	19

Typical properties are average data and are not to be used as or to develop specifications.

### General Considerations for Use

Medical Tubing, Biopharmaceutical tubing, gaskets, valves and seals.

### Regulatory Compliance

- A representable sample of Tufel 150 LT met the requirements of USP Class VI and ISO 10993 under Good Laboratory Practices (GLP)
- The ingredients are listed in the BfR recommendation XV “Silicones” <sup>(1)</sup>
- Compositionally compliant with 21 CFR 177.2600 – Rubber articles intended for repeated use <sup>(2)</sup>

(1) Producer of the final article needs to test and confirm that the final product meets the extraction limits of BfR XV or corresponding EU legislation.

(2) It is the responsibility of the user to determine that the final product complies with the extractive limitations and other requirements of 21 CFR 177.2600, under their specific manufacturing procedures.

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment, if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the OrderCenter. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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