



Technical Data Sheet

SILASTIC™ FCM 55-1241-FX-Red Fluorosilicone Compound

Features & Benefits

- Long-term fuel/solvent resistance
- Good flexibility over a wide range of service temperatures

Applications

- Injection molding
- Fuel sealing/general
- Engine: Fuel delivery diaphragms

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property ²	Unit	Result
CTM0022	Specific Gravity		1.39
CTM0099	Durometer	Shore A	59
CTM0137A	Tensile	MPa (psi)	11 (1595)
CTM0137A	Elongation at Break	%	539
CTM0137A	Modulus (100%)	MPa (psi)	1.9 (276)
CTM0159A	Tear Die B	ppi (kN/m)	270 (47.3)
CTM0085	Compression Set, Plied Discs ³	%	24.1
CTM0280	Heat Age Durometer, Change ⁴	Shore A	4.7
CTM0280	Heat Age Tensile, Change ⁴	%	-21.3
CTM0280	Heat Age Elongation, Change ⁴	%	-19.2
CTM0280	Heat Age Tear Die B, Change ⁴	%	-25.1
CTM0231A	Fluid Age Durometer, Change ⁵	Shore A	-15.9
CTM0231A	Fluid Age Tensile, Change ⁵	%	-40.7
CTM0231A	Fluid Age Elongation, Change ⁵	%	-37.8
CTM0130	Fluid Age Volume Swell ⁵	%	45.2
CTM0460	Low Temperature Retraction ⁶	P/F	Pass

1. CTM: Corporate Test Method, copies of CTM's are available on request.
2. Properties obtained on 2.0 mm (0.080 inch) thick slabs; molded 10 minutes at 177°C (350°F).
3. Compression set: 22 Hours at 175°C (345°F).
4. Heat age: 70 Hours at 200°C (392°F).
5. Fluid age: 70 Hours at 23°C (72°F) in Fuel B.
6. Low temperature retraction: 3 minutes at -65°C (-85°F).

How to Use	SILASTIC™ FCM 55-1241-FX-Red Fluorosilicone Compound is customized and fully formulated compound typically used in high-volume injection molding processes.
Handling Precautions	PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.
Usable Life and Storage	When stored at or below 40°C (104°F) in the original, unopened container, this product has a usable life of 6 months from the date of production.
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Limitations	This product is neither tested nor represented as suitable for medical or pharmaceutical uses.
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Disposal Considerations	<p>Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.</p> <p>It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.</p>
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