

ACC Magnifoam™ MFSILTEC™-HD MTI Silicones Silicone Foam

Category : Polymer , Thermoset , Silicone , Silicone Foam

Material Notes:

Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-Magnifoam-MFSILTEC-HD-MTI-Silicones-Silicone-Foam.php

Physical Properties	Metric	English	Comments
Density	0.721 g/cc	0.0260 lb/in ³	ASTM D1056
Water Absorption	3.0 %	3.0 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.689 MPa	100 psi	ASTM D412
Elongation at Break	160 %	160 %	ASTM D412
Compressive Strength	0.138 MPa	20.0 psi	0.25; ASTM D3675
Compression Set	2.0 %	2.0 %	at 50%, 22 hrs @ 70°C; ASTM D1056
	<= 10 %	<= 10 %	at 50%, 22 hrs; ASTM D1056
	@Temperature 100 °C	@Temperature 212 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-1	V-1	Rating dependent on color and thickness
	V-0	V-0	Rating dependent on color and thickness
Flammability Test	<= 25	<= 25	ASTM E162/D 3675
Smoke Density	1.5 min	1.5 min	<20; ASTM E662
	4.0 min	4.0 min	<50; ASTM E662

Descriptive Properties	Value	Comments
Thermal Resistance, ft ² -h/BTU	2.5	ASTM C518
Toxic Gas Emission	Pass	Bombardier SMP 800C
Vertical Flammability	Pass	FAR25.83(a)(1)(i) 12sec
	Pass	FAR25.83(a)(1)(i) 60sec

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