

MF1-9575

Preliminary Data

MF1 silicone foam is a high quality silicone foam material designed for a wide range of cushioning and sealing applications. It features exceptional FST (flame, smoke, and toxicity) characteristics, superior weather- and UV-resistance, and low compression set to ensure safety, long-term comfort and durability. The standard color for MF1 is white. It is available in slab form or fabricated to customer specification.

MF1-9575		
Property	Test Method	Typical Value
PHYSICAL		
Density, lb./ft ³	ASTM D 1056	9.5 (150 kg./m ³)
Tensile Strength, psi	ASTM D 412	15 (100 kPa)
Elongation, %	ASTM D 412	>60%
Indentation Force Deflection (@2" thick)	ASTM D 3574 B1	75 lbs (10 kPa)
Compression Set, 50% compressed % max.	ASTM D 1056 Test D (70°C), 22 hrs (100°C), 22 hrs	0% 0%
Durability	Jounce & Squim (1,000,000 cycles)	0% height loss
FLAMMABILITY		
Flame Spread	ASTM E 162/ D 3675	<25
	BS 6853	cat 1a (composite)
	BS 5852	crib 7 (composite)
	PrEN 45545	HL4
Smoke Density	ASTM E 662 1.5 minutes 4.0 minutes	<50 <20
Vertical Flammability	FAR 25.853 (a)(1)(i) 60 Sec FAR 25.853 (a)(1)(ii) 12 Sec	Pass
Toxic Gas Emissions	Bombardier SMP 800C	Pass

Notes:

1. Additional technical information is available.
2. Typical values are a representation of an average value for the population of the property. For specification values contact Rogers Corporation.
3. All values are based on preliminary test data and are currently up for review.

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