

MF1® 8055

MF1® 8055 is a high quality silicone foam material designed for a wide range of cushioning and sealing applications. It features exceptional flame, smoke, and toxicity (FST) characteristics, superior weather- and UV-resistance, and low compression set to ensure safety, long-term comfort and durability. White is the standard color for MF1 foam. It is available in slab form or may be fabricated to customer specifications.

MF1® 8055		
Property	Test Method	Typical Value
PHYSICAL		
Density, lb./ft ³	ASTM D 1056	8.0 (130 kg./m ³)
Tensile Strength, psi	ASTM D 412	10.5 (70 kPa)
Elongation, %	ASTM D 412	>60%
Indentation Force Deflection (@2" thick)	ASTM D 3574 B1	55 lbs (7.50 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 BS 6853 BS 5852 PrEN 45545	<25 cat 1a (composite) crib 7 (composite) 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.

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