

## MF1® 6535

MF1® 6535 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® 6535		
Property	Test Method	Typical Value
<b>PHYSICAL</b>		
Density, lb./ft <sup>3</sup>	ASTM D 1056	6.5 (100 kg./m <sup>3</sup> )
Tensile Strength, psi	ASTM D 412	8 (55 kPa)
Elongation, %	ASTM D 412	>60%
Indentation Force Deflection (@2" thick)	ASTM D 3574 B1	25 – 45 lbs (3.5 – 6.0 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
<b>FLAMMABILITY</b>		
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.

The information contained in this Data Sheet is intended to assist you in designing with Rogers' High Performance Foams. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on the Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' High Performance Foams for each application. The Rogers logo, The world runs better with Rogers., BISCO and MF1 are licensed trademarks of Rogers Corporation. © 2009, 2012 Rogers Corporation, All rights reserved. Printed in U.S.A., 0612-PDF, Publication #180-215