

BISCO® Silicones

BISCO® MF1® Industrial Grade Foam  
Bun Cellular Silicone Foam – Data Sheet

PROPERTY	TEST METHOD	MF1-35 (Soft)	MF1-55 (Medium)	MF1-75 (Firm)
Standard Color		White	White or Gray	White
Density, kg/m <sup>3</sup> (pcf)	ASTM D 1056	104 (6.5)	112 (7.0)	128 (8.0)
Compression Force Deflection, kPa (psi)	ASTM D 1056	----	2.8 – 10.3 (0.4 – 1.5)	----
Compression Set, % (22 hours, 50% compressed, 100°C)	ASTM D 1056	1.5%	1.5%	1.5%
Tensile Strength, kPa (psi)	ASTM D 412	86 (12.5)	86 (12.5)	93 (13.5)
Elongation, %	ASTM D 412	45	45	35
Water Absorption, %	ASTM D570	< 5.0	< 5.0	< 5.0
Flame resistance	FVMSS302 – self extinguishing	N/A	Pass	N/A
<b>THERMAL PROPERTIES</b>				
Thermal Conductivity (W/m*K)	ASTM C518		0.044	
Low Temperature Flex -67°F (-55°C)	ASTM D 1056	Pass	Pass	Pass
Recommended Constant Use, Max °C (°F)		200 (392)	200 (392)	200 (392)
Recommended Intermittent Use, Max °C		250 (482)	250 (482)	250 (482)
<b>CERTIFICATIONS</b>				
UL Certification	UL94 V-0 and HF-1	N/A	Gray Only <sup>1</sup>	N/A

- <sup>1</sup> UL94 V-0 and HF-1 - Gray color only, minimum thickness 0.094"
- All metric conversions are approximate
- Additional technical information is available
- Typical values should not be used for specification limits
- ---- Indicates no testing performed

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