

BISCO® BF-1000 Extra Soft Cellular Silicone

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, lb. / ft ³ (kg / m ³)	ASTM D - 3574	12 (192)
Thickness, inches (mm)		0.062 – 1.00 (1,6 – 25,4)
Tolerance		See reverse
Standard Widths, inches (mm)		36 (914)
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Standard Colors		*Gray & White
Compression Force Deflection, psi (KPa)	Force Measured @ 25% Deflection ASTM D - 1056	1-5 (7-35) ?
Compression Set, % max.	ASTM D - 1056 Test D @ 158°F (70 °C) ASTM D - 1056 Test D @ 212°F (100°C)	<1 <5
Tensile Strength, Min. psi (kPa),	ASTM D 412	35 (241)
Tensile Elongation, % min.,	ASTM D - 412	90
Environmental Properties		
Water Absorption	ASTM D - 471	3.50 %
UV Resistance	SAE J - 1960	No Degradation
Ozone Effect Rating	ASTM D – 1171	0 (No Cracks)
Stain Resistance	ASTM D - 925(A)	No Staining
Corrosion Resistance	AMS - 3568	Pass
FDA Approved		White & Gray Only
Other Specifications Available	BMS 1-68	
Flammability & Outgassing		
Flame Resistance	UL 94	Listed HF-1 & V-0
Flame Spread Index	ASTM E – 162	<25
Limiting Oxygen Index	ASTM D – 2863	34%
Smoke Density	ASTM E – 662 Tested @ 4.0 minutes Tested @ 1.5 minutes	<50 <20
Toxic Gas Emissions Rating	SMP – 800-C & BSS 7239	Pass
Weight Loss	ASTM D-573 After 168 Hours @ 275°F (135°C)	1.20%

Please see reverse side for additional data.