

BISCO® HT-840 Extra Firm Cellular Silicone

Typical Product Properties

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, lb. / ft ³ (kg /m ³)	ASTM D 3574	28 (449)
Thickness, inches (mm)	---	1/16 to 1/4 (1.6 to 6.4)
Tolerance		See reverse
Standard Widths, inches (mm)		36 (914)
Standard Colors		Gray
Compression Force Deflection, psi (KPa)	Force Measured @ 25% Deflection ASTM D 1056	16-26 (110-179)
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	70 (483)
Tensile Elongation, % min.,	ASTM D 412	55
Environmental Properties		
Water Absorption	ASTM D 471	0.20%
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
Flammability & Outgassing		
Flame Resistance	UL 94	Listed HF-1 & V-0
Flame Spread Index	ASTM E 162	<25
Limiting Oxygen Index	ASTM D 2863	44%
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)	0.70%

Please see reverse side for additional data.