

BISCO® HT-870 Soft Cellular Silicone

Typical Product Properties

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, lb. / ft ³ (kg /m ³)	ASTM D 3574	15 (240)
Thickness, inches (mm)	---	1/16 to 1/2 (1.6 to 12.7)
Tolerance		See reverse
Standard Widths, inches (mm)		36 (914)
Standard Colors		Black, Red
Compression Force Deflection, psi (KPa)	Force Measured @ 25% Deflection ASTM D 1056	2-7 (14-48)
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	40 (276)
Tensile Elongation, % min.,	ASTM D 412	90
Environmental Properties		
Water Absorption	ASTM D 471	2.50 %
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
Flammability & Outgassing		
Flame Resistance	UL 94	Listed HF-1 & V-0
Flame Spread Index	ASTM E 162	<25
Limiting Oxygen Index	ASTM D 2863	38%
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)	1.05%

Please see reverse side for additional data.