

Rogers Corporation Bisco® BF-2000 Ultra-Soft Silicone Foam

Category : Polymer , Thermoset , Silicone , Silicone Foam

Material Notes:

BISCO® Ultra Soft is a highly compressible silicone foam. The combination of low weight and softness makes this flame retardant foam ideal for transportation, industrial and electronics applications where low closure force and dust sealing are critical. Available in various thicknesses and manufactured in roll form. Features and Benefits: Ultra low softness allows designers to use less force to seal enclosures and still protect their device from the environment. High compressibility allows material to conform to variable width gaps, thereby allowing more design flexibility. Excellent memory and low stress relaxation reduces maintenance costs associated with gasket failures due to compression set and softening. Resistance to ultraviolet light, ozone, extreme temperatures and flame enables consistent performance in all environments. Color: black Thickness: 0.125 in to 0.500 in Standard Width: 0.500 in to 36.0 in Applications: Vibration isolation in electronic components and transportation vehicles Low closure force gaskets within portable electronics such as laptops and LCD screens within aircraft and rail interiors Fire retardant thermal insulation Information provided by Rogers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Rogers-Corporation-Bisco-BF-2000-Ultra-Soft-Silicone-Foam.php

Physical Properties	Metric	English	Comments
Density	0.160 g/cc	0.00579 lb/in ³	ASTM D1056
Thickness	3180 - 12700 microns	125 - 500 mil	Range of Thicknesses Available

Mechanical Properties	Metric	English	Comments
Tensile Strength	0.172 MPa	25.0 psi	ASTM D412
Elongation at Break	80 %	80 %	ASTM D412
Compressive Yield Strength	0.0103 MPa @Strain 25.0 %	1.50 psi @Strain 25.0 %	ASTM D1056
Compression Set	1.0 % @Temperature 70.0 °C, Time 79200 sec	1.0 % @Temperature 158 °F, Time 22.0 hour	ASTM D1056
	5.0 % @Temperature 100 °C, Time 79200 sec	5.0 % @Temperature 212 °F, Time 22.0 hour	ASTM D1056

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	also HF-1
Flame Spread Index	<= 25	<= 25	I_s; ASTM E162
Smoke Density	1.5 min	1.5 min	<20; D_s; ASTM E662

Thermal Properties	4.0 min Metric	4.0 min English	50: D_s</sub>; ASTM E562 Comments
Descriptive Properties		Value	Comments
Toxic Gas Emissions		Pass	SMP-800C

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China