

BISCO® HT-6360 FIRESAFE SOLID SILICONE

BISCO® HT-6360 Firesafe materials is a flame retardant solid silicone designed to protect sensitive areas that may be damaged during fires. The elastomeric materials have the unique ability to pass the new FAR 25.856 and UL94 V-0 test methods. The unique features designed into the product enable the material to solve safety and design issues within various industrial and transportation markets. BISCO HT-6360 Firesafe materials are available in various thicknesses and manufactured in roll form to allow fabricators to easily convert the material to the proper dimensions.

Features and Benefits

- Silicone-filler technology provides Fire protection in enclosed compartments.
- HT-6360 materials emit extremely low levels of smoke or toxic gas when subjected to fire, thereby making them ideal for aircraft and railcar cabins where smoke and toxic gas may cause harm to passengers.
- The silicone elastomer is flexible, yet is a durable product that has good physical properties.
- Available through distribution sites throughout North America, Europe, and Asia.

Applications

- Flexible duct gaskets for aerospace
- Fire barriers and smoke seals for railcar passenger compartments
- UL V0 gaskets for outdoor enclosures or electronic enclosures

Material Options

- Material available with a acrylic or silicone pressure sensitive adhesive applied.

Silicone HT-6360 – Typical Physical Properties At 1/16" thick		
Property	Test Method	Typical Value
Thickness		0.020" (0.50 mm)
		0.031" (0.79 mm)
		0.063" (1.59 mm)
		0.125" (3.18 mm)
Durometer, Pts	ASTM D 2240	65
Tensile, psi	ASTM D 412	300
Elongation, %	ASTM D 412	175
Tear Resistance, ppi	ASTM D 624	50
Compression Set, % (70 hrs @ 300 F, 25% compression)	ASTM D 395	35
Flame Propagation	FAR 856	PASS (≥ 0.020")
Flame Spread (I _s)	ASTM E 162	< 10
Smoke Density – Flaming (D _s - 4 minutes) (D _s 1.5 minutes)	ASTM E 662	< 30
		< 5
Toxic Gas Production	Bombardier SMP 800 C	Meets requirements
Flammability	UL 94	V-0 (≥ 0.020")
LOI Index	ASTM D 2863	55
Temperature	SAE J-2236	-80° to 425°F
		(-62° to 218°C)
COLOR		Black



The information contained in this Specification list is intended to assist you in designing with Rogers High Performance Foam Materials. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on the Specification list will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers High Performance Foam Materials for each application.

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