

# AUBURN PRODUCT NEWS

## Auburn Manufacturing Company

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## HT-6360 FIRESAFE SOLID SILICONE

**HT-6360** Firesafe material 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 UL 94 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. HT-6360 Firesafe material is available in various thicknesses and manufactured in roll form from which precision gaskets and seals can be easily and economically fabricated.

### Features and Benefits

- Silicone filler technology provides Fire protection in enclosed compartments.
- HT-6360 material 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 excellent physical properties.

### Applications

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

Silicone HT-6360 – Typical Physical Properties at 1/16" thick		
Property	Test Method	Typical Value
Thickness		0.010" (0.25 mm)
		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 @ 30°F, 25% compression)	ASTM D 395	35
Flame Propagation	FAR 856	Pass (≥ 0.020")
Flame Spread (I <sub>s</sub> )	ASTM E 662	< 10
Smoke Density - Flaming (D <sub>s</sub> - 4 minutes) (D <sub>s</sub> - 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 D2863	55
Temperature (continuous)	SAE J-2236	-80°F to 425°F (-62°C to 218°C)
Color		Black

### Material Options

- Material is available with an acrylic or silicone pressure sensitive adhesive applied to one or both surfaces at greater than 0.031" (0.79 mm) thickness.

Note: The technical information and data provided here should be considered representative or typical only and should not be used for specification purposes. User should evaluate this product to determine whether it is fit for a particular purpose and suitable for user's method of application.