

AUBURN PRODUCT NEWS

PRELIMINARY DATA SHEET

COHRlastic® F-12 Flame Retardant Silicone Foam

COHRlastic® F-12 from Auburn is comprised of a flame-retardant, modified cell silicone foam that offers a lightweight flame-retardant barrier. The F-12 is often the product of choice in aircraft aerospace, mass transit, and military markets as a lightweight fire wall protection blanket. Electronics markets depend on the F-12 for high temperature gasketing.

Physical Properties

Property	F-12 Silicone Foam
Color	Gray
Compression Deflection (psi)	3.0
Tensile Strength (psi)	25
Elongation (%)	60
Compression Set (%)	10
Density (lbs./ft ³)	12
Thermal Conductivity (in./hr.ft ²)	0.42
Operating Temperature (°F)	-60°F - +400°F
Flame Spread Index (ASTM E162)	11.5

All properties are typical values and should not be used for writing specifications.

Recommended Uses

- Flame retardant lighting gaskets
- Electronic and environmental dust seals
- Electronic and environmental weather gaskets
- Flame retardant insulation gaskets for aircraft bulkheads
- Flame retardant vibration damping gaskets and seals

Availability

- F-12 can be purchased in 36" x 36" sheets or as yard goods 36" wide.
- Available thicknesses: 1/16", 1/8", 3/16", 1/4", 3/8", 1/2", 3/4" and 1.00".
- Foam can be affixed with a pressure-sensitive adhesive on one or both sides
- Slit rolls, either plain or adhesive-back, are available 1/4" thru 36" wide.

Application Advantages

- UL Guide Flame-Retardant 94, V-0.
- Excellent acoustical insulation.
- Non toxic, low smoke generation, low flame spread.
- Excellent compression set resistance.
- Meets flammability requirements of FAR 25.853.
- Meets flammability requirements of FAR 25.856 (A1 and B).
- UL- recognized weather seal gasket.
- Meets ASTM E162 and E662.
- Meets Bombardier SMP 800-C.
- Meets Lockheed MD987.
- Non-corrosive for use with metals in hostile environments.

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