

COHRLastic® F-12

Silicone Foam

Saint-Gobain Performance Plastics COHRLastic F-12 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.

Typical Properties

Tensile (lbs./in.)	25
Elongation (%)	60
Compression Deflection (kPa)	21
Compression Set (%)	10
Thermal Conductivity (in./hr.ft. ²)	0.42
Temperature Range (°C)	-51 to +204
Density (kg/m ³)	192
Flame Spread Index (ASTM E162)	11.5
Colour	Grey, minimum order, others available

Values shown are typical. Certified test reports for writing specifications are available.

Availability

F-12 can be purchased in 914mm x 914mm sheets or as yard goods 914mm wide.
Available thicknesses: 1.6, 3.2, 4.8, 6.4, 9.5, 12.7mm.
19mm and 25.4mm thick available on special order only ; only supplied 457mm wide.

The data and details in this leaflet were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. It is the user's responsibility to make sure he is in possession of the latest version of the product data sheet. This leaflet is not a specification and does not assure specific product characteristics or make reference to the suitability of the products for a definite application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions. The application, the use and the conversion of this product are under the user's responsibility.

Application Advantages

- UL 94 V-0 rated in thicknesses down to and including 3.2mm (S F-12).
- Excellent acoustical insulation.
- Non toxic, low smoke generation, low flame spread.
- Excellent compression set resistance.
- Excellent ozone 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 and in hostile environments.

Saint-Gobain Performance Plastics S.A.

Avenue du Parc 18
4650 Chaineux (Belgium)
Tel: +32/87 32 20 11
Fax: +32/87 32 20 51
sgpl.chaineux@saint-gobain.com

www.foams.saint-gobain.eu

COHRLastic is a registered trademark.
©2009 Saint-Gobain Performance Plastics Corporation
AFF-1380Eur-PDF-0610