



## F-12 Flame Retardant Silicone Foam

**F-12** is comprised of 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.

### Application Advantages

- UL Guide Flame Retardant 94-VO.
- 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.

### Typical Properties

Tensile Strength (lbs./inch)	25
Elongation (%)	60
Compression deflection (psi)	3.0
Compression Set (%)	10
Thermal Conductivity (in./hr.sq ft)	0.42
Temperature Range, Foam (F)	-60 - +400
Density (lb/sq ft)	12

Flame Spread Index (ASTM E162)	11.5
Color	Gray
<i>Values shown are typical. Certified test reports for writing specifications are available.</i>	

### Availability

Available widths for **F-12**: 36" (stock thickness) , 18" (non-stock thickness)  
 Available lengths for **F-12**: 5yd min. (stock thickness) , 25yd min. (non-stock thickness)  
 Available thicknesses for **F-12**: 1/16", 1/8", 3/16", 1/4", 3/8", 1/2", \* 3/4", \* 1"  
 \*Non-stock sizes.

Limited Warranty: For a period of 6months from the date of first sale, Innate of WI, Inc. warrants this product (s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product (s). Innotec of WI, Inc. DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

NOTE: Innotec of WI, Inc. does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product (s) or of any final product into which the product (s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform particular purpose desired in any given situation.

**1220 Mound Avenue -Suite 140 – Racine, WI 53404 – (800) 776-7194 – (262) 637-7103 – Fax (262) 637-8205**