

**Evonik****INFINAM® FR 4100 L**

This material is specifically designed for the manufacture of robust, ductile, and flame-resistant components, catering to the stringent requirements of the aerospace, automotive, and electronics industries. Upon curing, this resin exhibits exceptional flame retardancy, self-extinguishing within 10 seconds and displaying a maximum afterglow time of 30 seconds. It meets rigorous flammability standards, holding a UL 94 V-0 flame retardancy rating at 3mm, and is also fire, smoke, and toxicity (FST) rated. It is a liquid at room temperature, facilitating easy handling and processing.

**Features**

- High elongation at break
- Good haptics
- Strong enough to withstand contact with sparks, flames, and other combustibles
- Fire, smoke and toxicity (FST) rated

**Applications**

- Automotive, Aerospace and Electronic industries
- Functional production
- Ideal for applications with strong, permanent applied forces

**Ultimate Tensile Strength**

36 MPa

**Tensile Modulus**

1900 MPa

**Elongation at Break**

20 %

**Shore Hardness**

84 D

**HDT, 1.82 MPa**

78 °C

**HDT 0.455 MPa**

95°C

**Flammability, UL94**

V-0 at 3 mm

**Flammability, FAR  
25.853(b)**

12 sec at 3 mm

[Technical Data Sheet](#)[Safety Data Sheet](#)