

## PFA Specifications (perfluoroalkoxy)

### Grade: 350

#### Physical properties:

- Specific gravity: 2.12-2.17 (ASTM D792)
- Color: Natural

#### Mechanical properties:

- Tensile strength: 4,000 PSI (ASTM D3307)
- Elongation: 300-500% (ASTM D3307)
- Flexural modulus: 90,000-10,000 PSI (ASTM D790)
- Hardness: D55

#### Thermal properties:

- Melting point: 302-310 °C

#### Electrical properties:

- Dielectric strength: 2000 (V/mil) (ASTM D149)
- Dielectric constant: 60-10<sup>6</sup> Hz 2.03 (ASTM D150)
- Dissipation factor: 60-10<sup>6</sup> Hz 0.001 (ASTM D150)
- Volume Resistivity: ohm.cm 10<sup>18</sup> (ASTM D257)

#### General:

- Water absorption: 24 hour <0.03 % (ASTM D570)
- Weather and chemical resistance: Outstanding
- Limiting oxygen index: >95 % (ASTM D2863)

PFA 350 meets ASTM D3307 Type III