

# Coretec™ PFA Specifications (Perfluoroalkoxy)

## General Description

Water absorption: 24 hour <0.03% (ASTM D570)  
Weather and chemical resistance: Outstanding  
Grade: 350  
PFA 350 meets ASTM D3307 Type III  
Limiting oxygen index: >95% (ASTM D2863)

Physical Property	Test Method	Value
Specific gravity	ASTM D792	2.12 - 2.17
Color		Natural
Mechanical Property	Test Method	Value
Tensile strength	ASTM D3307	4000 psi (27.6MPa)
Elongation	ASTM D3307	300 - 500%
Flexural modulus	ASTM D790	90000 - 100000 psi (621 - 68.9MPa)
Hardness		D55
Thermal Property	Test Method	Value
Melting point		302 - 310°C (575.6 - 590°F)
Electrical Property	Test Method	Value
Dielectric strength	ASTM D149	2000 (V/mil)
Dielectric constant	ASTM D150	60 - 10 <sup>6</sup> Hz 2.03
Dissipation factor	ASTM D150	60 - 10 <sup>6</sup> Hz 0.001
Volume Resistivity	ASTM D257	ohm.cm 10 <sup>18</sup>