


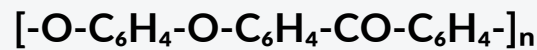
MATERIAL DATASHEET

Material Reference:
FLUORINOID® FL350
Virgin PEEK

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> Description >

FL350 is a high-performance engineering thermoplastic with good chemical resistance, good wear resistance, high maximum use temperature, low flammability, excellent electrical properties and good radiation resistance. Mild discoloration is expected in compression moulded billets.



> Description >

- Aerospace: Structural components for extreme environments.
- Automotive: Lightweight, high-strength components for engines and transmissions.
- Medical Devices: Implantable devices, sterilisation-resistant surgical instruments.
- Industrial: Chemical-resistant pump parts, manifolds, and seals.
- Oil & Gas: High-pressure, high-temperature pipeline components.

> Typical Physical Properties

Properties	Value
Specific Gravity	1.30 ± 0.04
Tensile Strength	94 MPa min
Elongation	10% min
Hardness (Shore D)	80-90
Maximum Use Temperature	260°C
Flammability Rating (UL94)	V-0

These figures are typical values for the material and do not represent a product specification. Properties will vary depending on the source of raw material, method of processing, physical form of the product, direction of measurement etc.