

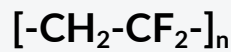
MATERIAL DATASHEET

Material Reference:
FLUORINOID® FL308
PVDF

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> Description >

PVDF is an engineering thermoplastic with good chemical resistance, very good physical properties, abrasion resistance comparable to polyamides, food use approved and with good resistance to γ radiation. Maximum use temperature can be as high as 150°C



> Typical Applications >

- **Chemical Processing:** Pipes, valves, and linings for handling corrosive substances.
- **Aerospace:** Lightweight, high-strength structural components.
- **Medical & Pharmaceutical:** Tubing, membranes, and implantable devices.
- **Electronics:** Wire insulation, battery separators, and semiconductor processing equipment.

> Typical Physical Properties

| Properties | Value | Method |
|---------------------------|--------|------------|
| Specific Gravity | 1.78 | H-WI-28 |
| Tensile Strength at Yield | 50 MPa | H-WI-28 |
| Elongation at Break | 10-50% | H-WI-28 |
| Shore D Hardness | 77-83 | ASTM S2240 |
| Service Temperature | 150°C | |
| Melting Temperature | 171°C | |

H-WI-28 is an Internal Fluorocarbon Procedure for Testing Melt Processible Plastics

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.