

PVDF (Polyvinylidene Fluoride)

Product Information Sheet

Ph: +61 2 9609 5090 E: sales@gantiel.com
 4 Davis Road, Wetherill Park, NSW 2164
 P.O.Box 586 Baulkham Hills NSW 1755
 ABN: 87 108 071 512



Gantiel Ventsott
 Engineering Plastic Solutions

Product Information

Trade name:	PVDF
Designation:	Polyvinylidene Fluoride
Type of polymer:	Thermoplastic
Food compliance BfR	Yes
Food compliance FDA	Yes
Colour:	Natural

Product Description

PVDF is a semi-crystalline thermoplastic, which is characterized by its high resistance to stress cracking, chemical stability and dimensional stability. The very low absorbency of water allows unlimited use in liquids. PVDF is applicable within a temperature range from -40 to + 160 °C. The BfR-/FDA approval assures physiological safety. Often, PVDF-plastics are used as pump covers, flanges or valve bodies. PVDF is available in the colour natural.

Properties

Density:	1.78	g/cm ³	ISO 1183
Tensile Modulus of Elasticity:	2000	MPa	ISO 527-2
Specific Surface Resistance	10 ¹³	Ohm	IEC 60093
Temperature for usage in air (max short term.)	160	°C	

Applications and Industries

- Automotive Industry
- Electrical Industry
- Mechanical Engineering
- Medical Technology
- Plastics Industry
- Flanges
- Laboratory Equipment
- Pump Covers
- Pump Wheels
- Valve Bodies



Delivery Program

Rod – Diameter	16mm – 200mm
Rod – Size	3000mm

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