

AF001 Virgin PTFE USP Class VI

PTFE is one of the most chemically inert materials known. It is used in many different applications and industries

- Extreme chemical resistance
- Excellent thermal stability
- Very low coefficient of friction
- Excellent electrical insulation
- Wide temperature range
- Almost infinite shelf life
- Samples manufactured from this material have been certified in accordance with USP Class VI to 121°C by NAMSA.

Typical Physical properties

Property	Test Method	Value
Specific Gravity	BS EN ISO 13000-2	2.14 – 2.19 g/cm ³
Tensile Strength	BS EN ISO 13000-2	20 - 30 MPa
Elongation	BS EN ISO 13000-2	350%
Shore D Hardness	BS EN ISO 13000-2	55 - 65
Water absorption	DIN 53472/8.2	Zero
Modulus of Elasticity	DIN 53482	750 MPa
Flexural Modulus		500 MPa
Volume Resistivity	DIN 53482	10 ¹⁸ ΩCM
Dielectric Constant (60Hz – 2 GHz)	ASTM D150	2.1
Dielectric Strength	IEC 60243-1	105

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All information is based on typical test results performed under specific conditions and limited sample size. This does not represent a legally binding guarantee of certain properties or the suitability for specific applications. All information is provided in good faith at time of print.

AFT Fluorotec

Solutions and components in Fluoropolymer Plastics

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Film 100µm

Coefficient of Friction

<0.1

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