

## AF001 Virgin PTFE

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

- Extreme chemical resistance & 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 <sup>3</sup>
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 <sup>18</sup> ΩCM
Dielectric Constant (60Hz – 2 GHz)	ASTM D150	2.1
Dielectric Strength	IEC 60243-1 Film 100µm	105
Coefficient of Friction		<0.1
Temperature Range		-200°C - +260 °C

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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.

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Solutions and components in Fluoropolymer Plastics

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