

AF617 Modified PTFE

Modified PTFE offers many advantages over PTFE. Lower deformation under load, better fatigue performance, easier to weld, better transparency, higher elongation and higher dielectric strength. Modified PTFE like PTFE has excellent chemical resistance and a very low coefficient of friction.

Samples manufactured from this material have been certified in accordance with USP Class VI to 121°C by NAMSA.

Three USP Biological Reactivity test, *In Vivo*, have been carried out to satisfy USP Plastic Class VI - 121°C requirements:

- USP Systemic Toxicity Study
- USP Intracutaneous Toxicity Study
- USP Muscle Implantation Study

The test articles met the requirements of USP Plastic Class VI for use up to 121°C.

Typical Physical properties

Property	Test Method	Value
Specific Gravity	ASTM D 4894	2.19 g/cm ³
Tensile Strength	ASTM D 4894	31 MPa (4600 PSI)
Elongation	ASTM D 4894	450%
Shore D Hardness	BS EN 13000-2	60
Dielectric Strength	IEC 60243-1 Film 100µm	105

USP Protocol dictates testing be on finished products as 'article tests'. It remains the responsibility of the customer to determine if material, formulation and intended use comply with applicable laws and determine suitability for the intended application

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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

Phone: +44 (0) 1992 515880

Email: salesdesk@fluorotec.com

Website: www.fluorotec.com