

Specification Sheet

Description: PTFE (Un-Filled)
Material: T01/000

Property	Spec	Value
Density (lb/in ³)	D-792	0.08
Tensile Strength	D-638	6,000 psi
Tensile Modulus	D-638	80,000 psi
Tensile Elongation at Break	D-638	300%
Flexural Strength	D-790	No Break
Flexural Modulus	D-790	27,000 psi
Compressive Strength	D-695	3,500 psi
Compressive Modulus	D-695	70,000 psi
Hardness	Shore D	50-65
Color		White

Description:

PolyTetraFlouroEthylene or more commonly called PTFE, is a polymer with high chemical resistance, low and high temperature capability, resistance to weathering and low coefficient of friction. This material is useful over a wide temperature range and can be enhanced with additives for a variety of applications.

One of the more common uses for Un-Filled PTFE is anti-extrusion rings for an o-ring. It also can be machined to a variety of profiles including guide bands, rod seals, piston seals, ingestion rings, etc.