

PTFE

Specification Sheet

Description:

PTFE has a wide range of practicable temperature from -180°C — 260°C and a wax-like surface to which anything hardly plastics. PTFE has the lowest coefficient of friction of all known solid materials. It has the best electrical properties of all plastics.

Properties:

PROPERTY	UNITS	RESULT
Apparent Density	g/cm^3	2.10—2.30
Tensile Strength (min)	MPa	15
Ultimate Elongation (min)	%	150
Working Temp	$^{\circ}\text{C}$	-180 ~ 260
Melting Point	$^{\circ}\text{C}$	327
Produce Max Temp	$^{\circ}\text{C}$	385



Custom Fabricating & Supplies

5500 Oakwood Park Drive ~ Franklin, WI 53132

P: 414.421.2600 ~ T/F: 800.556.7188 ~ F: 414.421.2700

www.customfabricate.com



.125" Virgin—PTFE

Specification Sheet

Physical Properties

PROPERTY	UNITS	ASTM METHOD	TYPICAL VALUES ¹
Specific Gravity		D-792	2.14—2.20
Hardness	Durometer D	D-1700	50—60
Tensile Strength	Psi	D-638	1500—3500
Elongation	%	D-638	250—350
Deformation % (100° F., 1500 psi, 24 hrs.)	%	D-621	10 ~ 18
Coefficient Of Friction (Static) (73° F.)		*3	.04
Thermal Conductivity	BTU/hr./ftz	*5	1.7
Impact Strength	Ft./Lb./In.	D-256	3
Izod			6
Water Absorption		D-570	0.001
Dielectric Constant (100 CPS)		D-150	2
Dialectric Strength (4) (air)	Volts	D-257	1000
Coefficient of Thermal Expansion	In./In./Ft.	D-696	5.5x10.3
Color		*6	White

¹The measured values expressed in ranges reflect measurements made both with and across the molding direction of the product.



Custom Fabricating & Supplies

5500 Oakwood Park Drive ~ Franklin, WI 53132

P: 414.421.2600 ~ T/F: 800.556.7188 ~ F: 414.421.2700

www.customfabricate.com

