

THERMEX 100

Thermex 100 is a 100% Virgin PTFE material that is suited for a wide range of applications. With its wide temperature range, low coefficient of friction and almost universal chemical compatibility, this material is a great choice for many applications.

THERMEX 100



APPLICATIONS

- Stem packing, valve seats, lantern rings

PROPERTIES

- Service temperature range: -325° to 500°
- Tensile strength: 4,500 psi
- Elongation: more than 350%
- Hardness: 55 Shore D
- pH range: 0 to 14

Please see back for more specific properties

Technical Data Sheet
Thermex 100
100% Virgin PTFE

PROPERTY	TEST METHOD (ASTM)	UNITS	RESULT
Hardness	D-785	Shore D	55
Specific Gravity	D-792	gm/cm ³	2.15
Tensile Strength	D-638	psi	4,500
Elongation @ Break	D-638	%	250
Flexural Modulus	D-790	%	72,000
Compressive Strength	D-695	psi	3,500
Water Absorption	D-570	%	<0.01
Coefficient of Friction, Static	D-1894		0.05
Continuous Operating Temperature		F	450
Coefficient of Linear Thermal Expansion	D-696	in/in/F	7.5x10 ⁽⁻⁵⁾

**Results are typical, specific individual performance varies by individual application. SEPCO products are warranted free from manufacturing defect and limited to product cost. No warranties, express or implied, are made for specific application performance.*