

THERMEX 210

Internally lubricated polymer for dry running applications. Thermex 210 is ideally suited for dry running or intermittent dry running applications such as vertical turbine pump bushings.

THERMEX 210



APPLICATIONS

- Vertical turbine pump bushings

PROPERTIES

- Service temperature range: 0° to 210°
- Tensile strength: more than 10,900 psi
- Elongation: more than 5%
- Hardness: 117 Rockwell

Please see back for more specific properties

**Technical Data Sheet
Thermex 210
Internally Lubricated / Dry Running Polymer**

THERMEX 210

PROPERTY	TEST METHOD (ASTM)	UNITS	RESULT
Hardness	D-785	R	R117
Specific Gravity	D-792	gm/cm ³	1.44
Tensile Strength	D-638	psi	10,900
Tensile Modulus	D-638	psi	360,000
Elongation @ Break	D-638	%	5
Flexural Strength	D-790	psi	14,000
Flexural Modulus	D-790	psi	360,000
Compressive Strength	D-695	psi	15,000
Compressive Modulus	D-695	psi	400,000
Impact Strength, Notched	D-256	ft-lbs/in	0.8
Shear Strength	D-732	psi	8,500
Coefficient of Friction, Steel			0.19
Continuous Operating Temperature		F	210
Melt Point		F	491
Coefficient of Linear Thermal Expansion	D-696	in/in/F	4.5x10 ⁽⁻⁵⁾
Thermal Conductivity	C-177	btu-in/hr-ft ² -F	1.9
Water Absorption @ 73F - 24 hours	D-570	%	0.06
Water Absorption @ 73F - Saturation	D-570	%	0.47

**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.*