

Technetics Group Texolon™ 8764 PTFE (Unverified Data**)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

A premium PTFE sheet manufactured from the highest quality PTFE. PTFE Characteristics Chemical Resistance Thermal Stability Cryogenic Properties Low Coefficient of Friction Low Surface Energy Low Dielectric Constant High Volume and Surface Resistivity Flame Resistance Applications Semiconductor Chemical Processing Food Pharmaceutical Aerospace Telecommunications Information provided by Technetics Group (formerly Plastomer Technologies)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Technetics-Group-Texolon-8764-PTFE-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.14 - 2.20 g/cc	2.14 - 2.20 g/cc	ASTM D792
Deformation	15 - 16 %	15 - 16 %	73°F., 2000 psi, 24 hrs.; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52 - 65	52 - 65	ASTM D2240
Tensile Strength, Yield	>= 27.6 MPa	>= 4000 psi	ASTM D1708
Elongation at Yield	>= 300 %	>= 300 %	ASTM D1709
Compressive Strength	4.14 MPa	600 psi	@ 1.0% Strain; ASTM D695
	6.89 MPa	1000 psi	@ 0.2% Offset; ASTM D695

Thermal Properties	Metric	English	Comments
CTE, linear	72.0 - 162 µm/m-°C	40.0 - 90.0 µin/in-°F	ASTM D696
	@ Temperature 25.6 - 204 °C	@ Temperature 78.0 - 400 °F	
Thermal Conductivity	0.245 W/m-K	1.70 BTU-in/hr-ft²-°F	ASTM C-177

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	ASTM D257
Dielectric Strength	>= 23.6 kV/mm	>= 600 kV/in	ASTM D149a

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