

Technetics Group Texolon™ 7865 PTFE (Unverified Data**)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Virgin PTFE for those applications not requiring the premium qualities of 8764 sheet. 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-7865-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	>= 19.3 MPa	>= 2800 psi	ASTM D1708
Elongation at Yield	>= 270 %	>= 270 %	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 @Temperature 25.6 - 204 °C	40.0 - 90.0 µin/in-°F @Temperature 78.0 - 400 °F	ASTM D696
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	>= 11.8 kV/mm	>= 300 kV/in	ASTM D149a

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