

Technetics Group Texolon™ 8534 PTFE (Unverified Data**)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

PTFE CharacteristicsChemical ResistanceThermal StabilityCryogenic PropertiesLow Coefficient of FrictionLow Surface EnergyLow Dielectric ConstantHigh Volume and Surface ResistivityFlame ResistanceApplicationsSemiconductorChemical ProcessingFoodPharmaceuticalAerospaceTelecommunicationsInformation provided by Technetics Group (formerly Plastomer Technologies)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Technetics-Group-Texolon-8534-PTFE-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.03 - 2.10 g/cc	2.03 - 2.10 g/cc	ASTM D792
Deformation	4.0 - 6.0 %	4.0 - 6.0 %	73°F., 2000 psi, 24 hrs.; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59 - 68	59 - 68	ASTM D2240
Tensile Strength, Yield	12.4 - 14.5 MPa	1800 - 2100 psi	ASTM D1708
Elongation at Yield	110 - 120 %	110 - 120 %	ASTM D1709
Compressive Strength	11.0 MPa	1600 psi	@ 0.2% Offset; ASTM D695
	11.0 MPa	1600 psi	@ 1.0% Strain; ASTM D695

Thermal Properties	Metric	English	Comments
CTE, linear	144 - 180 µm/m-°C	80.0 - 100 µin/in-°F	ASTM D696
	@Temperature 25.6 - 204 °C	@Temperature 78.0 - 400 °F	
Thermal Conductivity	0.720 W/m-K	5.00 BTU-in/hr-ft²-°F	ASTM C-177

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