

## PolyOne Therma-Tech™ PI-5000 TC Polyetherimide (PEI) (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

### Material Notes:

Description/Features:Thermally ConductiveElectrically ConductiveUL 94 V0PolyOne First ChoiceInformation provided by PolyOne Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Therma-Tech-PI-5000-TC-Polyetherimide-PEI-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Therma-Tech-PI-5000-TC-Polyetherimide-PEI-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	131.1 MPa	19020 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	0.752 %	0.752 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	31.48 GPa	4566 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	195.3 MPa	28330 psi	ASTM D790
Flexural Modulus	23.4 GPa	3400 ksi	ASTM D790
Izod Impact, Notched	0.358 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	0.670 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	10.8 µm/m-°C @Temperature 20.0 °C	6.00 µin/in-°F @Temperature 68.0 °F	ASTM D696
Thermal Conductivity	>= 11.0 W/m-K	>= 76.3 BTU-in/hr-ft <sup>2</sup> -°F	ASTM C177

Processing Properties	Metric	English	Comments
Melt Temperature	371 - 399 °C	700 - 750 °F	Molding
Mold Temperature	135 - 163 °C	275 - 325 °F	
Drying Temperature	149 °C	300 °F	
Dry Time	6 hour	6 hour	

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Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Product Form		Pellets	

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## Contact Songhan Plastic Technology Co.,Ltd.

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