

SABIC Innovative Plastics Ultem HTX1010F PEI (Asia Pacific)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Higher impact, Polyetherimide (Tg 217C). ECO Conforming. US FDA Food Contact compliant.This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:
http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Ultem-HTX1010F-PEI-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D 792
Melt Flow	15.5 g/10 min	15.5 g/10 min	ASTM D 1238
	@Load 6.60 kg, Temperature 337 Â°C	@Load 14.6 lb, Temperature 639 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	82.0 MPa	11900 psi	Type I, 5 mm/min; ASTM D 638
Tensile Strength, Yield	93.0 MPa	13500 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	40 %	40 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	3.10 GPa	450 ksi	5 mm/min; ASTM D 638
Flexural Yield Strength	137 MPa	19900 psi	2.6 mm/min, 100 mm span; ASTM D 790
Flexural Modulus	3.03 GPa	439 ksi	2.6 mm/min, 100 mm span; ASTM D 790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D 256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	17.62 J/cm	33.01 ft-lb/in	reverse notched; ASTM D 256
	@Thickness 3.20 mm	@Thickness 0.126 in	
Izod Impact, Unnotched	20.82 J/cm	39.00 ft-lb/in	ASTM D 4812
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	196 Â°C	385 Â°F	unannealed; ASTM D 648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Glass Transition Temp, Tg Thermal Properties	217 Å°C Metric	423 Å°F English	Comments
Oxygen Index	39.7 %	39.7 %	LOI; ASTM D 2863

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