

SABIC Innovative Plastics Ultem 2110N PEI (Asia Pacific)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

10% Glass fiber filled, enhanced flow Polyetherimide (Tg 217C). ECO Conforming. 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-2110N-PEI-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D 792
Melt Flow	10.4 g/10 min	10.4 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	115 MPa	16700 psi	Type I, 5 mm/min; ASTM D 638
Tensile Strength, Yield	114 MPa	16500 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	6.0 %	6.0 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	4.61 GPa	669 ksi	5 mm/min; ASTM D 638
Flexural Strength	199 MPa	28900 psi	2.6 mm/min, 100 mm span; ASTM D 790
Flexural Modulus	5.24 GPa	760 ksi	2.6 mm/min, 100 mm span; ASTM D 790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D 256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	4.00 J/cm	7.49 ft-lb/in	reverse notched; ASTM D 256
	@Thickness 3.20 mm	@Thickness 0.126 in	
Izod Impact, Unnotched	3.73 J/cm	6.99 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)	207 Â°C	405 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
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