

SABIC Innovative Plastics Ultem LTX921A PEI Blend

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Post-industrial recycle based, 20% glass fiber filled, high flow Polyetherimide blend. ECO Conforming. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Ultem-LTX921A-PEI-Blend.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D 792
Melt Flow	10 g/10 min @Load 6.60 kg, Temperature 337 Â°C	10 g/10 min @Load 14.6 lb, Temperature 639 Â°F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	131 MPa	19000 psi	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	6.96 GPa	1010 ksi	5 mm/min; ASTM D 638
Flexural Strength	193 MPa	28000 psi	2.6 mm/min, 100 mm span; ASTM D 790
Flexural Modulus	7.23 GPa	1050 ksi	2.6 mm/min, 100 mm span; ASTM D 790
Izod Impact, Notched	0.530 J/cm @Temperature 23.0 Â°C	0.993 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
	4.27 J/cm @Thickness 3.20 mm	8.00 ft-lb/in @Thickness 0.126 in	reverse notched; ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	198 Â°C @Thickness 6.40 mm	388 Â°F @Thickness 0.252 in	unannealed; ASTM D 648

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