

SABIC Innovative Plastics Ultem LTX931A PEI Blend (Europe-Africa-Middle East)

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

Material Notes:

Post-industrial recycle based, 30% glass fiber filled, high flow Polyetherimide blend. ECO Conforming. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Ultem-LTX931A-PEI-Blend-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.25 %	0.25 %	23 ^o C / 50% RH; ISO 62
Water Absorption at Saturation	0.40 % @Temperature 23.0 ^o C	0.40 % @Temperature 73.4 ^o F	ISO 62
Melt Flow	19 g/10 min @Load 5.00 kg, Temperature 360 ^o C	19 g/10 min @Load 11.0 lb, Temperature 680 ^o F	[cm ³ /10 min] Melt Volume Rate; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	5 mm/min; ISO 527
Tensile Strength, Yield	115 MPa	16700 psi	5 mm/min; ISO 527
Elongation at Break	2.0 %	2.0 %	5 mm/min; ISO 527
Elongation at Yield	2.0 %	2.0 %	5 mm/min; ISO 527
Tensile Modulus	9.20 GPa	1330 ksi	1 mm/min; ISO 527
Flexural Yield Strength	190 MPa	27600 psi	2 mm/min; ISO 178
Flexural Modulus	8.30 GPa	1200 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ² @Temperature 23.0 ^o C	1.90 ft-lb/in ² @Temperature 73.4 ^o F	80*10*4; ISO 180/1A
	4.00 kJ/m ² @Temperature -30.0 ^o C	1.90 ft-lb/in ² @Temperature -22.0 ^o F	80*10*4; ISO 180/1A
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	V-notch Edgew 80*10*4 sp=62mm;

Mechanical Properties	Metric @Temperature 23.0 Â°C	English @ Temperature 73.4 Â°F	ISO 179/1eA Comments
	0.400 J/cmÂ²	1.90 ft-lb/inÂ²	V-notch Edgew 80*10*4 sp=62mm; ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 Âµm/m-Â°C	10.0 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 150 Â°C	@Temperature 73.4 - 302 Â°F	
CTE, linear, Transverse to Flow	58.0 Âµm/m-Â°C	32.2 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 150 Â°C	@Temperature 73.4 - 302 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	190 Â°C	374 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	184 Â°C	363 Â°F	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Vicat Softening Point	188 Â°C	370 Â°F	Rate B/50; ISO 306
	195 Â°C	383 Â°F	Rate B/120; ISO 306

Descriptive Properties	Value	Comments
Ball Pressure Test, 125Â°C +/- 2Â°C	Passes	IEC 60695-10-2

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China