

SABIC Innovative Plastics EXTEM XH2315 TPI Resin (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyimide, Thermoplastic

Material Notes:

Extem XH2315 Resin

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-EXTEM-XH2315-TPI-Resin-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Density	1.52 g/cc	0.0549 lb/in ³	ISO 1183
Water Absorption	0.59 % @Time 173000 sec	0.59 % @Time 48.0 hour	ASTM D570
Melt Flow	4.0 g/10 min @Load 6.60 kg, Temperature 367 °C	4.0 g/10 min @Load 14.6 lb, Temperature 693 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	147 MPa	21300 psi	5 mm/min; ISO 527
	156 MPa	22600 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	147 MPa	21300 psi	5 mm/min; ISO 527
	156 MPa	22600 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	5 mm/min; ISO 527
	3.0 %	3.0 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	2.0 %	2.0 %	5 mm/min; ISO 527
	3.0 %	3.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	10.23 GPa	1484 ksi	5 mm/min; ASTM D638
	10.53 GPa	1527 ksi	1 mm/min; ISO 527
Flexural Yield Strength	200 MPa	29000 psi	2 mm/min; ISO 178
	206 MPa	29900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	8.96 GPa	1300 ksi	1.3 mm/min, 50 mm span; ASTM D790

Mechanical Properties	Metric ^{ISO 178}	English	Comments
Izod Impact, Notched	0.860 J/cm	1.61 ft-lb/in	ASTM D256
	3.20 J/cm	5.99 ft-lb/in	ASTM D256
	@Thickness 3.20 mm	@Thickness 0.126 in	
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	80*10*4; ISO 180/1A
Charpy Impact, Notched	2.40 J/cm ²	11.4 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
Dart Drop, Total Energy	8.00 J	5.90 ft-lb	ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	16.0 µm/m-°C	8.89 µin/in-°F	ASTM E 831
	@Temperature 23.0 - 150 °C	@Temperature 73.4 - 302 °F	
CTE, linear, Transverse to Flow	53.0 µm/m-°C	29.4 µin/in-°F	ASTM E 831
	@Temperature 23.0 - 150 °C	@Temperature 73.4 - 302 °F	
Deflection Temperature at 0.46 MPa (66 psi)	257 °C	495 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	254 °C	489 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
	255 °C	491 °F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Vicat Softening Point	267 °C	513 °F	Rate B/50; ASTM D1525

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