

SABIC Innovative Plastics ULTEM CRS5211R PEI (Asia Pacific)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

20% Glass fiber filled, enhanced flow Polyetherimide copolymer (Tg 225C) with internal mold release and enhanced chemical resistance to strong acids, bases, aromatics, and ketones. ECO conforming.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-ULTEM-CRS5211R-PEI-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792
Melt Flow	5.5 g/10 min	5.5 g/10 min	ASTM D1238
	@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	144 MPa	20900 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	137 MPa	19900 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	6.89 GPa	999 ksi	5 mm/min; ASTM D638
Flexural Yield Strength	213 MPa	30900 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	6.89 GPa	999 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	0.740 J/cm	1.39 ft-lb/in	ASTM D256
	4.59 J/cm @Thickness 3.20 mm	8.60 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	218 Â°C	424 Â°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Glass Transition Temp, Tg	225 Â°C	437 Â°F	

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