

SABIC Innovative Plastics ULTEM DU242 PEI

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Enhanced low temperature impact, high flow Polyetherimide blend. ECO Conforming.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-ULTEM-DU242-PEI.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Melt Flow	30 g/10 min	30 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, Yield	74.0 MPa	10700 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	67 %	67 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.58 GPa	374 ksi	5 mm/min; ASTM D638
Flexural Yield Strength	112 MPa	16200 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.51 GPa	364 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	1.81 J/cm	3.39 ft-lb/in	ASTM D256
	20.45 J/cm @Thickness 3.20 mm	38.31 ft-lb/in @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	160 Â°C	320 Â°F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

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