

SABIC Innovative Plastics Xenoy[®] IQNH2900 PBT+PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

UL94 V-0 Performance with Non-Brominated Flame Retardant. PCR% is up to 12% by using Valox iQ* resin.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Xenoy-IQNH2900-PBTPC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm @Thickness 3.20 mm	0.0050 - 0.0070 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	26 g/10 min @Load 5.00 kg, Temperature 266 Å°C	26 g/10 min @Load 11.0 lb, Temperature 511 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	42.0 MPa	6090 psi	Type I, 50 mm/min; ASTM D638
Tensile Strength, Yield	63.0 MPa	9140 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	65 %	65 %	Type I, 50 mm/min; ASTM D638
Elongation at Yield	4.0 %	4.0 %	Type I, 50 mm/min; ASTM D638
Tensile Modulus	2.48 GPa	360 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	89.0 MPa	12900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	2.24 GPa	325 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	5.50 J/cm	10.3 ft-lb/in	ASTM D256
Dart Drop, Total Energy	65.0 J @Temperature 23.0 Å°C	47.9 ft-lb @Temperature 73.4 Å°F	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	77.0 Å°C @Thickness 3.20 mm	171 Å°F @Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	100 Å°C	212 Å°F	Rate B/50; ASTM D1525

Thermal Properties Flammability, UL 94	Metric	English	Comments UL 94
	@Thickness 1.10 mm	@Thickness 0.0433 in	
	V-0	V-0	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	5VB	5VB	UL 94
	@Thickness 2.50 mm	@Thickness 0.0984 in	

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