

DuPont Performance Polymers Sorona® 2045G BK346A Polytrimethylene Terephthalate (PTT) (Unverified Data**)

Category : Polymer , Thermoplastic , Polyester, TP , Polytrimethylene Terephthalate (PTT)

Material Notes:

45% Glass Reinforced Polytrimethylene Terephthalate Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Sorona-2045G-BK346A-Polytrimethylene-Terephthalate-PTT-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	
	1.74 g/cc	0.0629 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	ISO 294-4 2577
Melt Flow	10 g/10 min	10 g/10 min	cm ³ /10min; ISO 1133
	@Load 2.16 kg, Temperature 280 °C	@Load 4.76 lb, Temperature 536 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	180 MPa	26100 psi	ISO 527-1/-2
Elongation at Break	1.6 %	1.6 %	ISO 527-1/-2
Tensile Modulus	16.0 GPa	2320 ksi	ISO 527-1/-2
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	227 °C	441 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Descriptive Properties	Value	Comments
Regional Availability	Asia Pacific	
	Europe	

Descriptive Properties	Global Value	Comments
	Near East/Africa	
	North America	
	South and Central America	

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