

DuPont Performance Polymers Sorona® 3301 NC010 Polytrimethylene Terephthalate (PTT) (Unverified Data**)&l

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

Material Notes:

Unreinforced Renewably Sourced Polytrimethylene Terephthalate Sorona 3301 NC010 is an unreinforced polytrimethylene terephthalate resin containing 35% renewably sourced ingredients by weight with superior surface appearance in ambient temperature condilInformation provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Sorona-3301-NC010-Polytrimethylene-Terephthalate-PTT-nbspUnverified-Datal.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	
	1.32 g/cc	0.0477 lb/in ³	ISO 1183
Viscosity	66880 cP	66880 cP	
	@Shear Rate 5000 1/s, Temperature 270 °C	@Shear Rate 5000 1/s, Temperature 518 °F	ISO 11403-1 -2
	77790 cP	77790 cP	
	@Shear Rate 5000 1/s, Temperature 260 °C	@Shear Rate 5000 1/s, Temperature 500 °F	ISO 11403-1 -2
	90760 cP	90760 cP	
	@Shear Rate 5000 1/s, Temperature 250 °C	@Shear Rate 5000 1/s, Temperature 482 °F	ISO 11403-1 -2
	161800 cP	161800 cP	
	@Shear Rate 500 1/s, Temperature 270 °C	@Shear Rate 500 1/s, Temperature 518 °F	ISO 11403-1 -2
	210300 cP	210300 cP	
	@Shear Rate 500 1/s, Temperature 260 °C	@Shear Rate 500 1/s, Temperature 500 °F	ISO 11403-1 -2
	273800 cP	273800 cP	
	@Shear Rate 500 1/s, Temperature 250 °C	@Shear Rate 500 1/s, Temperature 482 °F	ISO 11403-1 -2
Linear Mold Shrinkage, Flow	0.013 cm/cm	0.013 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527-1/-2

Mechanical Properties	Metric	English	Comments
Elongation at Break	15 %	15 %	Nominal, ISO 527-1/-2
Elongation at Yield	5.5 %	5.5 %	ISO 527-1/-2
Tensile Modulus	2.40 GPa	348 ksi	ISO 527-1/-2
Flexural Modulus	2.40 GPa	348 ksi	ISO 178
Izod Impact, Notched (ISO)	4.50 kJ/m²	2.14 ft-lb/in²	ISO 180/1A
Charpy Impact, Notched	0.400 J/cm²	1.90 ft-lb/in²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	2.10 J/g-°C	0.502 BTU/lb-°F	
Thermal Conductivity	0.200 W/m-K	1.39 BTU-in/hr-ft²-°F	of melt
Melting Point	228 °C	442 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	575 V	575 V	IEC 60112

Descriptive Properties	Value	Comments
Additives	Release agent	
Delivery Form	Pellets	
Part Marking Code	>PTT<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	

Descriptive Properties	Near East/Africa Value	Comments
	North America	
	South and Central America	
Resin Identification	PTT	
UL recognition	UL	

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