

## DuPont Performance Polymers Sorona® 3301V NC010 Polytrimethylene Terephthalate (PTT)

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

### Material Notes:

Unreinforced Renewably Sourced Polytrimethylene Terephthalate Sorona 3301V NC010 is an unreinforced polytrimethylene terephthalate resin containing 35% renewably sourced ingredients by weight developed for applications requiring high surface gloss in a information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Sorona-3301V-NC010-Polytrimethylene-Terephthalate-PTT.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Sorona-3301V-NC010-Polytrimethylene-Terephthalate-PTT.php)

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in <sup>3</sup>	ISO 1183
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
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/m <sup>2</sup>	2.14 ft-lb/in <sup>2</sup>	ISO 180/1A
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
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 0.800 mm	@Thickness 0.0315 in	
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 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	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PTT	
UL recognition	UL	

## Contact Songhan Plastic Technology Co.,Ltd.

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