

DuPont Performance Polymers Crastin® CE15315 NC010 PBT (Unverified Data**)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

Material Notes:

Crastin® CE15315 NC010 is a 15% glass reinforced flame retardant polybutylene terephthalate molding resin. It is recognized as UL94 V-0 at 0.71mm(0.028in).Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-CE15315-NC010-PBT-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.499 g/cc	0.05415 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Thickness 2.00 mm	0.0030 - 0.0050 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0050 - 0.0090 cm/cm @Thickness 2.00 mm	0.0050 - 0.0090 in/in @Thickness 0.0787 in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	101 MPa @Temperature 23.0 °C	14600 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	3.1 % @Temperature 23.0 °C	3.1 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	5.96 GPa @Temperature 23.0 °C	864 ksi @Temperature 73.4 °F	ISO 527
Charpy Impact Unnotched	3.01 J/cm ² @Temperature -30.0 °C	14.3 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	3.18 J/cm ² @Temperature 23.0 °C	15.1 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.620 J/cm ² @Temperature -30.0 °C	2.95 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	0.620 J/cm ² @Temperature 23.0 °C	2.95 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	ISO 75-1/-2
UL RTI, Electrical	130 °C	266 °F	UL 746B
	@Thickness 0.710 mm	@Thickness 0.0280 in	
	130 °C	266 °F	
	@Thickness 1.50 mm	@Thickness 0.0591 in	UL 746B
	130 °C	266 °F	UL 746B
	@Thickness 3.00 mm	@Thickness 0.118 in	
UL RTI, Mechanical with Impact	110 °C	230 °F	UL 746B
	@Thickness 0.710 mm	@Thickness 0.0280 in	
	110 °C	230 °F	
	@Thickness 1.50 mm	@Thickness 0.0591 in	UL 746B
	120 °C	248 °F	UL 746B
	@Thickness 3.00 mm	@Thickness 0.118 in	
UL RTI, Mechanical without Impact	130 °C	266 °F	UL 746B
	@Thickness 3.00 mm	@Thickness 0.118 in	
	130 °C	266 °F	
	@Thickness 1.50 mm	@Thickness 0.0591 in	UL 746B
	130 °C	266 °F	UL 746B
	@Thickness 0.710 mm	@Thickness 0.0280 in	
Flammability, UL94	V-0	V-0	UL94
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	UL94
	V-0	V-0	UL94
	@Thickness 0.710 mm	@Thickness 0.0280 in	

Processing Properties	Metric	English	Comments
Melt Temperature	250 °C	482 °F	Optimum; Injection Molding
	240 - 260 °C	464 - 500 °F	Injection Molding
Mold Temperature			optimum; Injection Molding

Processing Properties	60.0 °C Metric	140 °F English	Comments
	10.0 - 110 °C	50.0 - 230 °F	Injection Molding
Drying Temperature	100 - 140 °C	212 - 284 °F	Injection Molding
Dry Time	2.00 - 6.00 hour	2.00 - 6.00 hour	Injection Molding
Moisture Content	<= 0.040 %	<= 0.040 %	Injection Molding

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic	PBT	
Material Status	Current	
Part Marking Code	>PBT-GF15FR(17)<	ISO 11469
Processing Method	Injection Molding	
Product Category	Extrusion Resins	
	Glass Reinforced Resins	
Resin Identification	PBT-GF15FR(17)	ISO 1043
RoHS Compliance	Contact Manufacturer	

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