

DuPont Performance Polymers Crastin® CE2056 NC010 PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Crastin® CE2056 NC010 is an unreinforced polybutylene terephthalate molding resin. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-CE2056-NC010-PBT.php

Physical Properties	Metric	English	Comments
Density	1.272 g/cc	0.04595 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.026 cm/cm @Thickness 2.00 mm	0.026 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.023 cm/cm @Thickness 2.00 mm	0.023 in/in @Thickness 0.0787 in	ISO 294-4
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 250 °C	2.0 g/10 min @Load 4.76 lb, Temperature 482 °F	Resin; ISO 1133
	6.5 g/10 min @Load 2.16 kg, Temperature 250 °C	6.5 g/10 min @Load 4.76 lb, Temperature 482 °F	Part; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	37.0 MPa @Temperature 23.0 °C	5370 psi @Temperature 73.4 °F	ISO 527
Tensile Strength, Yield	50.0 MPa @Temperature 23.0 °C	7250 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	16 % @Temperature 23.0 °C	16 % @Temperature 73.4 °F	nominal; ISO 527
	20 % @Temperature 23.0 °C	20 % @Temperature 73.4 °F	ISO 527
Elongation at Yield	6.0 % @Temperature 23.0 °C	6.0 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	2.30 GPa @Temperature 23.0 °C	334 ksi @Temperature 73.4 °F	ISO 527

Mechanical Properties	Metric (Pa)	English (psi)	Comments
Flexural Strength	@Temperature 23.0 °C	@Temperature 73.4 °F	ISO 178
Flexural Modulus	2.015 GPa @Temperature 23.0 °C	292.3 ksi @Temperature 73.4 °F	ISO 178
Izod Impact, Notched (ISO)	16.9 kJ/m ² @Temperature 23.0 °C	8.04 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A
Izod Impact, Unnotched (ISO)	209 kJ/m ² @Temperature 23.0 °C	99.5 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1U
Charpy Impact Unnotched	28.0 J/cm ² @Temperature 23.0 °C	133 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.50 J/cm ² @Temperature 23.0 °C	7.14 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	250 °C	482 °F	Optimum
	240 - 260 °C	464 - 500 °F	
Mold Temperature	80.0 °C	176 °F	optimum
	30.0 - 130 °C	86.0 - 266 °F	
Drying Temperature	110 - 130 °C	230 - 266 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	
Moisture Content	<= 0.040 %	<= 0.040 %	

Descriptive Properties	Value	Comments
Drying Recommended	Yes	
Generic	PBT	

Product Category Descriptive Properties	Unreinforced Resins Value	Comments
Unreinforced Resins		

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