

## DuPont Performance Polymers Crastin® CE2055 NC010 PBT (Unverified Data\*\*)

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

### Material Notes:

Crastin® CE2055 NC010 is an unreinforced, low viscosity polybutylene terephthalate resin for injection molding. Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Crastin-CE2055-NC010-PBT-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-CE2055-NC010-PBT-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.020 cm/cm @Thickness 2.00 mm	0.020 in/in @Thickness 0.0787 in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.018 cm/cm @Thickness 2.00 mm	0.018 in/in @Thickness 0.0787 in	ISO 294-4
Melt Flow	50 g/10 min @Load 2.16 kg, Temperature 250 °C	50 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa @Temperature 23.0 °C	8700 psi @Temperature 73.4 °F	ISO 527
Elongation at Break	13 % @Temperature 23.0 °C	13 % @Temperature 73.4 °F	nominal; ISO 527
	30 % @Temperature 23.0 °C	30 % @Temperature 73.4 °F	50mm/min; ISO 527
Elongation at Yield	10 % @Temperature 23.0 °C	10 % @Temperature 73.4 °F	ISO 527
Tensile Modulus	2.60 GPa @Temperature 23.0 °C	377 ksi @Temperature 73.4 °F	ISO 527
Flexural Strength	82.0 MPa @Temperature 23.0 °C	11900 psi @Temperature 73.4 °F	ISO 178
Izod Impact, Notched (ISO)	3.90 kJ/m <sup>2</sup>	1.86 ft-lb/in <sup>2</sup>	ISO 180/1A

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
Charpy Impact, Notched	0.350 J/cm <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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)	150 °C	302 °F	ISO 75-1/-2
	184 °C	363 °F	Annealed; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ISO 75-1/-2
	73.0 °C	163 °F	Annealed; 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
Appearance	Natural Color	
Drying Recommended	Yes	
Features	Lubricated	
	Viscosity, Low	
Forms	Pellets	
Generic	PBT	
Material Status	Current	
Part Marking Code	>PBT<	ISO 11469
Processing Method		

Descriptive Properties	Injection Molding Value	Comments
Product Category	Aesthetic Resins	
	Unreinforced Resins	
Region Available - Global	Yes	
Resin Identification	PBT	ISO 1043
RoHS Compliance	Contact Manufacturer	

## Contact Songhan Plastic Technology Co.,Ltd.

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