

## DuPont Performance Polymers Crastin® CE2055 NC010 Polybutylene Terephthalate (PBT)

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

### Material Notes:

Unreinforced Low Viscosity Polybutylene Terephthalate 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-Polybutylene-Terephthalate-PBT.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-CE2055-NC010-Polybutylene-Terephthalate-PBT.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	0.020 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 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	13 %	13 %	Nominal; ISO 527-1/-2
Elongation at Yield	10 %	10 %	ISO 527-1/-2
Tensile Modulus	2.60 GPa	377 ksi	ISO 527-1/-2
Flexural Strength	82.0 MPa	11900 psi	ISO 178
Izod Impact, Notched (ISO)	3.90 kJ/m <sup>2</sup>	1.86 ft-lb/in <sup>2</sup>	ISO 180/1A
Charpy Impact, Notched	0.350 J/cm <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	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)	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
Vicat Softening Point	175 °C	347 °F	50°C/h 50N; ISO 306

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>PBT<	ISO 11469
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	PBT	

## Contact Songhan Plastic Technology Co.,Ltd.

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