

## DuPont Performance Polymers Crastin® 6134 NC010 Polybutylene Terephthalate (PBT) (Unverified Data\*\*)

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

### Material Notes:

Unreinforced Medium Viscosity Polybutylene Terephthalate Crastin 6134 NC010 is an unreinforced medium 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-6134-NC010-Polybutylene-Terephthalate-PBT-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-6134-NC010-Polybutylene-Terephthalate-PBT-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	ISO 1183
Melt Flow	33.5 g/10 min @Load 2.16 kg, Temperature 250 °C	33.5 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	59.0 MPa	8560 psi	ISO 527-1/-2
Elongation at Break	45 %	45 %	Nominal; ISO 527-1/-2
Elongation at Yield	4.0 %	4.0 %	ISO 527-1/-2
Tensile Modulus	2.60 GPa	377 ksi	ISO 527-1/-2
Flexural Strength	85.0 MPa	12300 psi	ISO 178
Izod Impact, Notched (ISO)	3.50 kJ/m <sup>2</sup>	1.67 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	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	ISO 75-1/-2
	180 °C	356 °F	annealed; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75-1/-2
	60.0 °C	140 °F	annealed; ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
Oxygen Index	22 %	22 %	ISO 4589-1/-2

Descriptive Properties	Value	Comments
Delivery Form	Pellets	
Part Marking Code	>PBT<	ISO 11469
Processing	Casting	
	Coatable	
	Film Extrusion	
	Injection Moulding	
	Other Extrusion	
	Profile Extrusion	
	Sheet Extrusion	
Regional Availability	Europe	
	Near East/Africa	
Resin Identification	PBT	

## Contact Songhan Plastic Technology Co.,Ltd.

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