

## DuPont Performance Polymers Crastin® CE15330 NC010 Polybutylene Terephthalate (PBT) (Unverified Data\*\*)&l

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

### Material Notes:

30% Glass Reinforced Flame Retardant Polybutylene Terephthalate Crastin® CE15330 NC010 is a 30% glass reinforced flame retardant polybutylene terephthalate molding resin. It is recognized as UL94 V-0 at 0.3 mm

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Crastin-CE15330-NC010-Polybutylene-Terephthalate-PBT-nbspUnverified-Datal.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-CE15330-NC010-Polybutylene-Terephthalate-PBT-nbspUnverified-Datal.php)

| Physical Properties               | Metric       | English                   | Comments       |
|-----------------------------------|--------------|---------------------------|----------------|
| Density                           | 1.62 g/cc    | 0.0585 lb/in <sup>3</sup> | ISO 1183       |
| Linear Mold Shrinkage, Flow       | 0.0030 cm/cm | 0.0030 in/in              | ISO 294-4 2577 |
| Linear Mold Shrinkage, Transverse | 0.0090 cm/cm | 0.0090 in/in              | ISO 294-4 2577 |

| Mechanical Properties     | Metric                                           | English                                             | Comments     |
|---------------------------|--------------------------------------------------|-----------------------------------------------------|--------------|
| Tensile Strength at Break | 130 MPa                                          | 18900 psi                                           | ISO 527-1/-2 |
| Elongation at Break       | 3.1 %                                            | 3.1 %                                               | ISO 527-1/-2 |
| Tensile Modulus           | 9.95 GPa                                         | 1440 ksi                                            | ISO 527-1/-2 |
| Charpy Impact Unnotched   | 6.00 J/cm <sup>2</sup>                           | 28.6 ft-lb/in <sup>2</sup>                          | ISO 179/1eU  |
|                           | 5.00 J/cm <sup>2</sup><br>@Temperature -30.0 °C  | 23.8 ft-lb/in <sup>2</sup><br>@Temperature -22.0 °F | ISO 179/1eU  |
| Charpy Impact, Notched    | 0.820 J/cm <sup>2</sup>                          | 3.90 ft-lb/in <sup>2</sup>                          | ISO 179/1eA  |
|                           | 0.820 J/cm <sup>2</sup><br>@Temperature -30.0 °C | 3.90 ft-lb/in <sup>2</sup><br>@Temperature -22.0 °F | ISO 179/1eA  |

| Thermal Properties                          | Metric                     | English                     | Comments                 |
|---------------------------------------------|----------------------------|-----------------------------|--------------------------|
| Melting Point                               | 223 °C                     | 433 °F                      | 10°C/min; ISO 11357-1/-3 |
| Deflection Temperature at 1.8 MPa (264 psi) | 208 °C                     | 406 °F                      | ISO 75-1/-2              |
| Flammability, UL94                          | V-0<br>@Thickness 1.50 mm  | V-0<br>@Thickness 0.0591 in | IEC 60695-11-10          |
|                                             | V-0<br>@Thickness 0.300 mm | V-0<br>@Thickness 0.0118 in | IEC 60695-11-10          |

| Thermal Properties         | Metric | English | Comments  |
|----------------------------|--------|---------|-----------|
| Electrical Properties      | Metric | English | Comments  |
| Comparative Tracking Index | 200 V  | 200 V   | IEC 60112 |

| Descriptive Properties | Value              | Comments  |
|------------------------|--------------------|-----------|
| Part Marking Code      | >PBT-GF30FR(17)<   | ISO 11469 |
| Processing             | Injection Moulding |           |
| Regional Availability  | Asia Pacific       |           |
| Resin Identification   | PBT-GF30FR(17)     |           |
| UL recognition         | UL                 |           |

## Contact Songhan Plastic Technology Co.,Ltd.

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