

## DuPont Performance Polymers Crastin® S600F40 BK851 Polybutylene Terephthalate (PBT) (Unverified Data\*\*)&

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

### Material Notes:

Unreinforced Low Viscosity Polybutylene Terephthalate Crastin S600F40 BK851 is an unreinforced lubricated low viscosity black 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-S600F40-BK851-Polybutylene-Terephthalate-PBT-nbspUnverified-Datal.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-S600F40-BK851-Polybutylene-Terephthalate-PBT-nbspUnverified-Datal.php)

| Physical Properties | Metric  | English   | Comments |
|---------------------|---|---|----------|
| Density             | 1.31 g/cc   | 0.0473 lb/in <sup>3</sup>                             | ISO 1183 |
| Melt Flow           | 32.9 g/10 min<br>@Load 2.16 kg,<br>Temperature 250 °C | 32.9 g/10 min<br>@Load 4.76 lb,<br>Temperature 482 °F | ISO 1133 |

| Mechanical Properties      | Metric                  | English                    | Comments              |
|----------------------------|-------------------------|----------------------------|-----------------------|
| Tensile Strength, Yield    | 58.0 MPa                | 8410 psi                   | ISO 527-1/-2          |
| Elongation at Break        | 20 %                    | 20 %                       | Nominal; ISO 527-1/-2 |
| Elongation at Yield        | 6.0 %                   | 6.0 %                      | 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) | 4.00 kJ/m <sup>2</sup>  | 1.90 ft-lb/in <sup>2</sup> | ISO 180/1A            |
| Charpy Impact, Notched     | 0.450 J/cm <sup>2</sup> | 2.14 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 |
| Flammability, UL94 | HB<br>@Thickness 1.50 mm        | HB<br>@Thickness 0.0591 in         | IEC 60695-11-10          |
| Flame Spread       | 28 mm/min<br>@Thickness 1.00 mm | 1.1 in/min<br>@Thickness 0.0394 in | ISO 3795 (FMVSS 302)     |

| Descriptive Properties | Value | Comments  |
|------------------------|-------|-----------|
| Part Marking Code      | >PBT< | ISO 11469 |

| Descriptive Properties | Value                     | Comments |
|------------------------|---------------------------|----------|
| Regional Availability  | Asia Pacific              |          |
|                        | Europe                    |          |
|                        | Global                    |          |
|                        | Near East/Africa          |          |
|                        | North America             |          |
|                        | South and Central America |          |
| Resin Identification   | PBT                       |          |

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