

## DuPont Performance Polymers Crastin® SK605 BK851 Polybutylene Terephthalate (PBT) (Unverified Data\*\*)

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

### Material Notes:

30% Glass Reinforced Polybutylene Terephthalate Crastin SK605 BK851 is a 30% glass fiber reinforced lubricated 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-SK605-BK851-Polybutylene-Terephthalate-PBT-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Crastin-SK605-BK851-Polybutylene-Terephthalate-PBT-nbspUnverified-Data.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 1.52 g/cc | 0.0549 lb/in <sup>3</sup> | ISO 1183 |

| Mechanical Properties      | Metric                 | English                    | Comments     |
|----------------------------|------------------------|----------------------------|--------------|
| Tensile Strength at Break  | 130 MPa                | 18900 psi                  | ISO 527-1/-2 |
| Elongation at Break        | 2.5 %                  | 2.5 %                      | ISO 527-1/-2 |
| Tensile Modulus            | 9.60 GPa               | 1390 ksi                   | ISO 527-1/-2 |
| Flexural Strength          | 200 MPa                | 29000 psi                  | ISO 178      |
| Izod Impact, Notched (ISO) | 9.00 kJ/m <sup>2</sup> | 4.28 ft-lb/in <sup>2</sup> | ISO 180/1A   |
| Charpy Impact Unnotched    | 6.50 J/cm <sup>2</sup> | 30.9 ft-lb/in <sup>2</sup> | ISO 179/1eU  |
| Charpy Impact, Notched     | 1.00 J/cm <sup>2</sup> | 4.76 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 1.8 MPa (264 psi) | 205 °C              | 401 °F               | ISO 75-1/-2              |
| Flammability, UL94                          | HB                  | HB                   | IEC 60695-11-10          |
|   | @Thickness 1.50 mm  | @Thickness 0.0591 in |                          |
|   | HB                  | HB                   | IEC 60695-11-10          |
|   | @Thickness 0.800 mm | @Thickness 0.0315 in |                          |
| Flame Spread                                | 54 mm/min           | 2.1 in/min           | ISO 3795 (FMVSS 302)     |
|   | @Thickness 1.00 mm  | @Thickness 0.0394 in |                          |
| Oxygen Index                                | 20 %                | 20 %                 | ISO 4589-1/-2            |

| Descriptive Properties        | Value                     | Comments                       |
|-------------------------------|---------------------------|--------------------------------|
| Emission of organic compounds | 91.4 µgC/g                | VDA 277                        |
| Fogging                       | 99%                       | ISO 6452; F-value (refraction) |
| Odour                         | class 3                   | VDA 270                        |
| Part Marking Code             | >PBT-GF30<                | ISO 11469                      |
| Processing                    | Injection Moulding        |                                |
|                               | Other Extrusion           |                                |
|                               | Profile Extrusion         |                                |
| Regional Availability         | Asia Pacific              |                                |
|                               | Europe                    |                                |
|                               | Global                    |                                |
|                               | Near East/Africa          |                                |
|                               | North America             |                                |
|                               | South and Central America |                                |
| Resin Identification          | PBT-GF30                  |                                |
| UL recognition                | UL                        |                                |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China