

## Polyplastics Duranex® 600JP Polybutylene Terephthalate (PBT), Unfilled PBT for film, Extrusion, Low melting point

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

### Material Notes:

DURANEX® is a crystalline thermoplastic based on polybutylene terephthalate (PBT) that can be readily strengthened, modified, or otherwise performance enhanced through the addition of glass fibers or other inorganic filler additives. Various grades are available, including flame-retardant, reinforced, and impact-resistant grades. DURANEX®, due to its mechanical strength, heat stability, electrical resistivity and wear and abrasion-resistance, offers great potential as a well-balanced, highly reliable material, having a wide variety of applications including electronic / electro-mechanical and automobile parts and various other functional parts. DURANEX® also assures moldability, dimensional stability, glossy surfaces and various fabrication capabilities providing higher added value. Information provided by PolyPlastics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyplastics-Duranex-600JP-Polybutylene-Terephthalate-PBT-Unfilled-PBT-for-film-Extrusion-Low-melting-point.php](http://www.lookpolymers.com/polymer_Polyplastics-Duranex-600JP-Polybutylene-Terephthalate-PBT-Unfilled-PBT-for-film-Extrusion-Low-melting-point.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 1.30 g/cc | 0.0470 lb/in <sup>3</sup> | ISO 1183 |

| Mechanical Properties      | Metric                  | English                    | Comments     |
|----------------------------|-------------------------|----------------------------|--------------|
| Tensile Strength, Ultimate | 53.0 MPa                | 7690 psi                   | ISO 527-1, 2 |
| Elongation at Break        | 136 %                   | 136 %                      | ISO 527-1, 2 |
| Flexural Modulus           | 2.34 GPa                | 339 ksi                    | ISO 178      |
| Charpy Impact, Notched     | 0.290 J/cm <sup>2</sup> | 1.38 ft-lb/in <sup>2</sup> | ISO 179/1eA  |

| Thermal Properties                          | Metric  | English | Comments    |
|---|---------|---------|-------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 50.0 °C | 122 °F  | ISO 75-1, 2 |
| Flammability, UL94                          | HB      | HB      |             |

## 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