

## Polyplastics Duranex® 652SA Polybutylene Terephthalate (PBT), Low density, Low wear, Mineral filled

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

### 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-652SA-Polybutylene-Terephthalate-PBT-Low-density-Low-wear-Mineral-filled.php](http://www.lookpolymers.com/polymer_Polyplastics-Duranex-652SA-Polybutylene-Terephthalate-PBT-Low-density-Low-wear-Mineral-filled.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	51.0 MPa	7400 psi	ISO 527-1, 2
Elongation at Break	3.3 %	3.3 %	ISO 527-1, 2
Flexural Strength	95.0 MPa	13800 psi	ISO 178
Flexural Modulus	5.50 GPa	798 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)	110 °C	230 °F	ISO 75-1, 2
Flammability, UL94	V-1	V-1	

## 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