Polyplastics Duranex® CN7740XB Polybutylene Terephthalate (PBT), Super low warpage, GF filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Filled, Impact Modified

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-CN7740XB-Polybutylene-Terephthalate-PBT-Super-low-warpage-GF-filled.php

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0636 lb/in³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	100.6 MPa	14590 psi	ISO 527-1, 2
Elongation at Break	1.1 %	1.1 %	ISO 527-1, 2
Flexural Strength	157.3 MPa	22810 psi	ISO 178
Flexural Modulus	13.96 GPa	2025 ksi	ISO 178
Charpy Impact, Notched	0.470 J/cm²	2.24 ft-lb/in²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	201 °C	394 °F	ISO 75-1, 2
Flammability, UL94	V-0	V-0	

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