

PlastxWorld CEVIAN® B2704 20% GF PBT/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , ABS/Polyester Alloy + GF , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Glass fiber reinforced PBT/ABS alloy. Information provided by PlastxWorld Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastxWorld-CEVIAN-B2704-20-GF-PBTABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	94.5 MPa	13700 psi	ASTM 638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	143 MPa	20700 psi	ASTM D790
Flexural Modulus	6.46 GPa	937 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm	1.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	54.0 $\mu\text{m}/\text{m}\cdot\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	30.0 $\mu\text{in}/\text{in}\cdot\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	190 $^{\circ}\text{C}$	374 $^{\circ}\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

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