

PlastxWorld CEVIAN® B5523 15% GF PBT/ABS Alloy

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

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastxWorld-CEVIAN-B5523-15-GF-PBTABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in³	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	84.1 MPa	12200 psi	ASTM 638
Elongation at Break	2.6 %	2.6 %	ASTM D638
Flexural Yield Strength	116 MPa	16800 psi	ASTM D790
Flexural Modulus	5.39 GPa	782 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 3.17 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	195 °C	383 °F	0.25 inch; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	0.25 inch; ASTM D648
UL RTI, Electrical	140 °C	284 °F	UL746B
UL RTI, Mechanical with Impact	95.0 °C	203 °F	UL746B
UL RTI, Mechanical without Impact	130 °C	266 °F	UL746B
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

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