

PlastxWorld CEVIAN® B5723 15% GF PBT/ABS Alloy

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

Material Notes:

Glass fiber reinforced, heat resistant 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-B5723-15-GF-PBTABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	93.1 MPa	13500 psi	ASTM D638
Elongation at Break	2.6 %	2.6 %	ASTM D638
Flexural Yield Strength	128 MPa	18500 psi	ASTM D790
Flexural Modulus	5.69 GPa	825 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)	210 °C	410 °F	0.25 inch; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	0.25 inch; ASTM D648
UL RTI, Electrical	140 °C	284 °F	UL746B
UL RTI, Mechanical with Impact	100 °C	212 °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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