

PlastxWorld CEVIAN® B45M0 PBT/ABS Alloy

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

Material Notes:

These are typical values and are not intended for specification purposes. UL approved file No. is E47773. Information provided by PlastxWorld Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastxWorld-CEVIAN-B45M0-PBTABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	43.4 MPa	6300 psi	ASTM 638
Elongation at Break	18 %	18 %	ASTM D638
Flexural Yield Strength	65.5 MPa	9500 psi	ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 3.17 mm	0.700 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	0.25 inch; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	0.25 inch; ASTM D648
UL RTI, Electrical	140 °C	284 °F	UL746B
UL RTI, Mechanical with Impact	85.0 °C	185 °F	UL746B
UL RTI, Mechanical without Impact	125 °C	257 °F	UL746B
Flammability, UL94	V-0 @Thickness 1.20 mm	V-0 @Thickness 0.0472 in	

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