

PlastxWorld CEVIAN® S5210 10% GF PC/ABS alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

Material Notes:

Glass fiber reinforced and flame retarded PC/ABS alloy. 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-S5210-10-GF-PCABS-alloy.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	78.6 MPa	11400 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	119 MPa	17200 psi	ASTM D790
Flexural Modulus	3.92 GPa	569 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 6.35 mm	1.10 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	57.6 µm/m-°C @Temperature 20.0 °C	32.0 µin/in-°F @Temperature 68.0 °F	ASTM D1525
Deflection Temperature at 1.8 MPa (264 psi)	131 °C	268 °F	0.25 inch; ASTM D648
Flammability, UL94	V-0 @Thickness 1.70 mm	V-0 @Thickness 0.0669 in	

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