

PlastxWorld CEVIAN® S5220 20% 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-S5220-20-GF-PCABS-alloy.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	97.9 MPa	14200 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	134 MPa	19500 psi	ASTM D790
Flexural Modulus	5.98 GPa	867 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	41.4 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	23.0 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	ASTM D1525
Deflection Temperature at 1.8 MPa (264 psi)	134 °C	273 °F	0.25 inch; ASTM D648
Flammability, UL94	V-0 @Thickness 1.65 mm	V-0 @Thickness 0.0650 in	

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