

PlastxWorld CEVIAN® S1500 High Heat PC/ABS alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

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-S1500-High-Heat-PCABS-alloy.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	5.0 g/10 min @Load 3.80 kg, Temperature 230 °C	5.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	51.7 MPa	7500 psi	ASTM 638
Elongation at Break	80 %	80 %	ASTM D638
Flexural Yield Strength	87.6 MPa	12700 psi	ASTM D790
Flexural Modulus	2.16 GPa	313 ksi	ASTM D790
Izod Impact, Notched	5.87 J/cm @Thickness 6.35 mm	11.0 ft-lb/in @Thickness 0.250 in	ASTM D256
	6.94 J/cm @Thickness 3.17 mm	13.0 ft-lb/in @Thickness 0.125 in	ASTM D256
	4.27 J/cm @Thickness 6.35 mm, Temperature -30.0 °C	8.00 ft-lb/in @Thickness 0.250 in, Temperature -22.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	0.25 inch; ASTM D648
Vicat Softening Point	259 °C	498 °F	ASTM D1525
Flammability, UL94	HB	HB	

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