

PlastxWorld CEVIAN® A1700 PA/ABS Alloy, Conditioned

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS)/Nylon Blend , Nylon

Material Notes:

Property data is for samples at equilibrium moisture (2.0%) Information provided by PlastxWorld Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PlastxWorld-CEVIAN-A1700-PAABS-Alloy-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D792
Water Absorption	0.98 %	0.98 %	24 hr; ASTM D570
Moisture Absorption at Equilibrium	2.0 %	2.0 %	
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM 638
Elongation at Break	>= 200 %	>= 200 %	ASTM D635
Flexural Yield Strength	46.2 MPa	6700 psi	ASTM D790
Flexural Modulus	0.814 GPa	118 ksi	ASTM D790
Izod Impact, Notched	4.32 J/cm @Thickness 3.17 mm	8.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °F	0.25 inch; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	0.25 inch; ASTM D648

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