

PlastxWorld CEVIAN® E80 ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Transparent, Molded

Material Notes:

Inherently Static Dissipative Transparent ABS 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-E80-ABS.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	11 g/10 min @Load 3.80 kg, Temperature 230 °C	11 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.2 MPa	5400 psi	ASTM D638
Flexural Yield Strength	53.1 MPa	7700 psi	ASTM D790
Flexural Modulus	1.96 GPa	284 ksi	ASTM D790
Izod Impact, Notched	1.49 J/cm @Thickness 3.17 mm	2.80 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	0.5 inch; ASTM D648
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Haze	5.1 %	5.1 %	0.125 inches; 10 deg
Transmission, Visible	86 %	86 %	0.125 inches; 10 deg

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	ASTM D249

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