

PlastxWorld CEVIAN® SER20 ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

General purpose and flame retarded ABS with excellent moldability and no plate-out. 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-SER20-ABS.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792
Water Absorption	0.30 %	0.30 %	24 hr; ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	13 g/10 min @Load 3.80 kg, Temperature 230 °C	13 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM 638
Flexural Yield Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	2.24 J/cm @Thickness 3.17 mm	4.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	86.4 µm/m-°C @Temperature 20.0 °C	48.0 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	0.125 inch; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C	180 °F	0.5 inch; ASTM D648
Vicat Softening Point	90.0 °C	194 °F	ASTM D1525
Flammability, UL94	V-1 @Thickness 1.50 mm	V-1 @Thickness 0.0591 in	

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