

Loxim 500 00HB Polycarbonate/Acrylonitrile Butadiene Styrene

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

Material Notes:

Information provided by Loxim Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loxim-500-00HB-PolycarbonateAcrylonitrile-Butadiene-Styrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 - 1.15 g/cc	1.12 - 1.15 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D1299

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	50.0 - 55.0 MPa	7250 - 7980 psi	ASTM D683
Flexural Strength	80.0 - 90.0 MPa	11600 - 13100 psi	ASTM D790
Flexural Modulus	2.40 - 2.80 GPa	348 - 406 ksi	ASTM D790
Izod Impact, Notched	3.00 - 4.00 J/cm @Temperature 23.0 Â°C	5.62 - 7.49 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Izod Impact, Unnotched	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 - 120 Â°C	230 - 248 Â°F	ASTM D1525, HDT Method B
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

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