

Unitika AXG-1500-300 Conditioned

Category : Polymer , Thermoplastic , Polyarylate

Material Notes:

Characteristics: Glass-reinforced grades of the AX1500 resin, excellent in heat and chemical resistancesFavorable rigidity and dimensional accuracyInformation provided by Unitika Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unitika-AXG-1500-300-Conditioned.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	112 MPa	16200 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Flexural Strength	181 MPa	26300 psi	ASTM D790
Flexural Modulus	6.30 GPa	914 ksi	ASTM D790
Izod Impact, Notched	1.03 J/cm @Thickness 3.17 mm	1.93 ft-lb/in @Thickness 0.125 in	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ASTM D257
Dielectric Constant	3.6 @Frequency 1.00e+6 Hz	3.6 @Frequency 1.00e+6 Hz	ASTM D150
Dielectric Strength	30.0 kV/mm	762 kV/in	ASTM D149
Dissipation Factor	0.040 @Frequency 1.00e+6 Hz	0.040 @Frequency 1.00e+6 Hz	ASTM D150
Arc Resistance	60 sec	60 sec	ASTM D495

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	210 - 230 °C	410 - 446 °F	
Middle Barrel Temperature	240 - 260 °C	464 - 500 °F	
Front Barrel Temperature	250 - 270 °C	482 - 518 °F	
Nozzle Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	80.0 - 120 °C	176 - 248 °F	actual surface temp

Processing Properties	Metric	English	Comments
Dry Time	10.0 - 24.0 hour	10.0 - 24.0 hour	
Back Pressure	0.490 - 1.47 MPa	71.1 - 213 psi	gage pressure

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