

Zhejiang Juner 301-G20 20% Glass Fibre Reinforced and Flammable Resistant

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Applications: Electrons and Electricity: TV Components, Plugs of Computers, Exhaust Fans of Computers, Plugs, Sockets, Shells of Electronics, Framework of Level Output Transformers, Pipe Pedestals, Frameworks of Deflection Coils, Hi-Pressure Outputs Package, Plugs of Kinescopes Autos and Others: Ignition Systems, Heating Systems, Electricity Distribution Systems, Tail Lights Base, Shells of Ignition Coils, Door Handles, Air-Condition Lattices

Information provided by Zhejiang Juner New Materials Co, Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zhejiang-Jun-301-G20-20-Glass-Fibre-Reinforced-and-Flammable-Resistant.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	D792
Water Absorption	0.070 %	0.070 %	23°C•24h; D570
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	92.0 MPa	13300 psi	D638
Elongation at Break	4.0 %	4.0 %	D638
Flexural Strength	160 MPa	23200 psi	D790
Flexural Modulus	6.00 GPa	870 ksi	D790
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	IS0179
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	IS0179

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 µm/m-°C @Temperature -30.0 - 30.0 °C	19.4 µin/in-°F @Temperature -22.0 - 86.0 °F	D696
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	D257
	3.5	3.5	

Dielectric Constant Electrical Properties	Metric @Frequency 1e+6 Hz	English @Frequency 1e+6 Hz	D150 Comments
Dielectric Strength	20.0 kV/mm	508 kV/in	D149
Dissipation Factor	0.020 @Frequency 1e+6 Hz	0.020 @Frequency 1e+6 Hz	D150

Processing Properties	Metric	English	Comments
Processing Temperature	225 - 260 °C	437 - 500 °F	
Nozzle Temperature	240 °C	464 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Drying Temperature	130 - 140 °C @Time 14400 sec	266 - 284 °F @Time 4.00 hour	
Injection Pressure	60.0 - 120 MPa	8700 - 17400 psi	3-15 sec
Back Pressure	60.0 - 120 MPa	8700 - 17400 psi	

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