

E-Polymers TEKANATE™ G720 , 20% Glass Fiber Reinforced Poly Carbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled

Material Notes:

20% Glass Fiber reinforced Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKANATE-G720-20-Glass-Fiber-Reinforced-Poly-Carbonate.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	100 MPa	14500 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	5.40 GPa	783 ksi	ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	148 °C	298 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	144 °C	291 °F	ASTM D648
Flammability, UL94	V-2	V-2	

Processing Properties	Metric	English	Comments
Processing Temperature	270 - 330 °C	518 - 626 °F	

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