

Adell DR- 16 30% Glass Reinforced Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 30% Glass Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-DR-16-30-Glass-Reinforced-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Water Absorption	0.17 %	0.17 %	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.0017 cm/cm	0.0017 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	92	92	ASTM D785
Tensile Strength, Ultimate	145 MPa	21000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	205 MPa	29700 psi	ASTM D790
Flexural Modulus	8.10 GPa	1170 ksi	ASTM D790
Izod Impact, Notched	1.49 J/cm @Thickness 3.17 mm	2.80 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	152 °C	305 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	ASTM D648

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