

Adell DR-12 10% Glass Reinforced Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-DR-12-10-Glass-Reinforced-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792
Water Absorption	0.22 %	0.22 %	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	76	76	ASTM D785
Tensile Strength, Ultimate	79.3 MPa	11500 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	122 MPa	17700 psi	ASTM D790
Flexural Modulus	3.58 GPa	519 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 3.17 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	141 °C	285 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	ASTM D648

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