

Adell ZR-17 33% Glass Reinforced Nylon/Olefin Alloy

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-ZR-17-33-Glass-Reinforced-NylonOlefin-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	138 MPa	20000 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D256
	1.12 J/cm	2.10 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Unnotched	6.94 J/cm	13.0 ft-lb/in	ASTM D256
	5.13 J/cm	9.60 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Gardner Impact	1.20 J	0.885 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	158 °C	316 °F	

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