

Adell AJ-14 Nylon 66, 20% Glass Reinforced; High Impact

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Reinforced, Impact Grade

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-AJ-14-Nylon-66-20-Glass-Reinforced-High-Impact.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Water Absorption	0.50 %	0.50 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	85	85	ASTM D785
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Ultimate	110 MPa	16000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	5.50 GPa	798 ksi	ASTM D790
Compressive Yield Strength	138 MPa	20000 psi	ASTM D695
Izod Impact, Notched	1.70 J/cm	3.18 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	238 °C	460 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	224 °C	435 °F	ASTM D648
Flammability, UL94	HB	HB	

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