

Adell AJ-37 Nylon 66, 35% 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-37-Nylon-66-35-Glass-Reinforced-High-Impact.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ASTM D792
Water Absorption	0.50 %	0.50 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.0035 cm/cm	0.0035 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	90	90	ASTM D785
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	145 MPa	21000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	200 MPa	29000 psi	ASTM D790
Flexural Modulus	6.60 GPa	957 ksi	ASTM D790
Compressive Yield Strength	159 MPa	23100 psi	ASTM D695
Izod Impact, Notched	2.00 J/cm	3.75 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)	249 °C	480 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	246 °C	475 °F	ASTM D648
Flammability, UL94	HB	HB	

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