

Adell AD-10 Nylon 66, Ultra High Impact

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

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-AD-10-Nylon-66-Ultra-High-Impact.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792
Water Absorption	1.2 %	1.2 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.0145 cm/cm	0.0145 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	64	64	ASTM D785
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength, Ultimate	52.4 MPa	7600 psi	ASTM D638
Elongation at Break	65 %	65 %	ASTM D638
Flexural Strength	72.0 MPa	10400 psi	ASTM D790
Flexural Modulus	1.80 GPa	261 ksi	ASTM D790
Compressive Yield Strength	66.0 MPa	9570 psi	ASTM D695
Izod Impact, Notched	8.50 J/cm	15.9 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)	216 °C	421 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D648
Flammability, UL94	HB	HB	

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