

Adell AH-18 Nylon 66, 40% Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Mineral Filled

Material Notes:

Data provided by Adell Plastics, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Adell-AH-18-Nylon-66-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ASTM D792
Water Absorption	0.70 %	0.70 %	24 hour immersion; ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	95	95	ASTM D785
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Ultimate	89.6 MPa	13000 psi	ASTM D638
Elongation at Break	12.5 %	12.5 %	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	6.20 GPa	899 ksi	ASTM D790
Compressive Yield Strength	252 MPa	36500 psi	ASTM D695
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	171 °C	340 °F	ASTM D648
Flammability, UL94	HB	HB	

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