

Adell ZS-10 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-ZS-10-NylonOlefin-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	51.0 MPa	7400 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	65.5 MPa	9500 psi	ASTM D790
Flexural Modulus	1.90 GPa	275 ksi	ASTM D790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D256
	0.587 J/cm @Temperature -40.0 °C	1.10 ft-lb/in @Temperature -40.0 °F	ASTM D256
Izod Impact, Unnotched	11.7 J/cm	22.0 ft-lb/in	ASTM D256
	8.01 J/cm @Temperature -40.0 °C	15.0 ft-lb/in @Temperature -40.0 °F	ASTM D256
Gardner Impact	1.10 J	0.811 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	48.9 °C	120 °F	

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