

Ashley Polymers Ashlene® 735 Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Impact Grade

Material Notes:

Economy grade, impact modified Nylon 6 for injection molding.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-735-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ASTM D792
Water Absorption	1.5 %	1.5 %	24 hrs; ASTM D570
Moisture Absorption at Equilibrium	2.5 %	2.5 %	ASTM D570
Water Absorption at Saturation	8.5 %	8.5 %	ASTM D570
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Ultimate	62.0 MPa	8990 psi	ATSM D638
Elongation at Break	120 %	120 %	ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	216 °C	421 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	174 °C	345 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	54.0 °C	129 °F	ASTM D648

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