

Ashley Polymers Ashlene® 71M Nylon 6, 40% Mineral Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 40% Mineral Filled

Material Notes:

A 40% mineral reinforced Nylon 6 resin modified for reduced shrinkage.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-71M-Nylon-6-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in³	ASTM D792
Water Absorption	1.1 %	1.1 %	ASTM D570
Moisture Absorption at Equilibrium	1.7 %	1.7 %	50% RH; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	121	121	ASTM D785
Tensile Strength, Yield	83.0 MPa	12000 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Modulus	5.40 GPa	783 ksi	ASTM D790
Izod Impact, Notched	0.370 J/cm	0.693 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	215 °C	419 °F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	118 °C	244 °F	ASTM D648

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