

Ashley Polymers Ashlene® 539 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Extrusion grade for film & monofilament.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-539-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in³	ASTM D792
Water Absorption	1.5 %	1.5 %	24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	125	125	ASTM D785
Tensile Strength, Ultimate	81.0 MPa	11700 psi	ATSM D638
Elongation at Break	72 %	72 %	ASTM D638
Tensile Modulus	2.80 GPa	406 ksi	ASTM D638
Flexural Strength	113 MPa	16400 psi	ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	257 °C	495 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	226 °C	439 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	74.0 °C	165 °F	ASTM D648
Flammability, UL94	V-2	V-2	

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