

Ashley Polymers Ashlene® 541-25G Nylon 66, 25% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Nylon 66, 25% glass reinforced for extrusion applications.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-541-25G-Nylon-66-25-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in³	ASTM D792
Water Absorption	1.0 %	1.0 %	24 hrs; ASTM D570
Moisture Absorption at Equilibrium	1.8 %	1.8 %	50% RH; ASTM D570
Water Absorption at Saturation	6.2 %	6.2 %	ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	171 MPa	24800 psi	ATSM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Modulus	7.70 GPa	1120 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm	1.80 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	251 °C	484 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	246 °C	475 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	246 °C	475 °F	ASTM D648

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