

Ashley Polymers Ashlene® 520-50G Nylon 66, 50% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

Material Notes:

50% Glass reinforced Nylon 66.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-520-50G-Nylon-66-50-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ASTM D792
Water Absorption	0.50 %	0.50 %	ASTM D570
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	205 MPa	29700 psi	ATSM D638
Elongation at Break	2.0 %	2.0 %	
Flexural Modulus	11.8 GPa	1710 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	252 °C	486 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	252 °C	486 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	ASTM D648

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