

Ashley Polymers Ashlene® 528LSB2-20G Nylon 66, 20% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

Material Notes:

A UV Stabilized 20% glass fiber reinforced Nylon 66 designed for parts requiring excellent thermal and dimensional stability and higher strength than conventional resins.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-528LSB2-20G-Nylon-66-20-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ASTM D792
Water Absorption	1.1 %	1.1 %	24 hrs; ASTM D570
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	90.0 MPa	13100 psi	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Modulus	4.80 GPa	696 ksi	ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 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)	249 °C	480 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	243 °C	469 °F	ASTM D648

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