

Ashley Polymers Ashlene® 528L-40G Nylon 66, 40% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

A general purpose 40% glass reinforced Nylon 66 resin.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-528L-40G-Nylon-66-40-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D792
Water Absorption	0.70 %	0.70 %	ASTM D570
Linear Mold Shrinkage	0.0045 cm/cm	0.0045 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	214 MPa	31000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	269 MPa	39000 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 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)	254 °C	489 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	249 °C	480 °F	ASTM D648

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