

Ashley Polymers Ashlene® 528SMS-30GB Nylon 66, 30% Glass Reinforced

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

Material Notes:

A 30% glass reinforced, heat stabilized, black Nylon 66 with Molybdenum disulfide.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-528SMS-30GB-Nylon-66-30-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Water Absorption	0.60 %	0.60 %	24 hrs; ASTM D570
Water Absorption at Saturation	5.1 %	5.1 %	ASTM D570
Linear Mold Shrinkage	0.0034 cm/cm	0.0034 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	139 MPa	20200 psi	ATSM D638
Elongation at Break	6.1 %	6.1 %	ASTM D638
Flexural Modulus	7.00 GPa	1020 ksi	ASTM D790
Izod Impact, Notched	0.690 J/cm	1.29 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	252 °C	486 °F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	225 °C	437 °F	ASTM D648

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