

Ashley Polymers Ashlene® 528MS/528SMS Nylon 66, MoS2 Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, MoS2 Filled

Material Notes:

A general purpose Molybdenum-disulfide filled nylon resin.Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-528MS528SMS-Nylon-66-MoS2-Filled.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in³	ASTM D792
Water Absorption	1.0 %	1.0 %	24 hrs; ASTM D570
Water Absorption at Saturation	8.0 %	8.0 %	ASTM D570
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Ultimate	90.0 MPa	13100 psi	ATSM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	249 °C	480 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	203 °C	397 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	99.0 °C	210 °F	ASTM D648

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