

Chase Plastics CP Pryme® NN143L (Dry) Nylon 66, 43% Glass Fiber Reinforced, Lubricated

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

Material Notes:

Features: Good chemical resistanceGrease resistantLubricatedOil resistantHigh rigiditySolvent resistantHigh tensile strengthForm:

PelletsApplications: Automotive under the hoodInformation provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-NN143L-Dry-Nylon-66-43-Glass-Fiber-Reinforced-Lubricated.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ASTM D792
Filler Content	43 %	43 %	
Water Absorption	0.60 %	0.60 %	At 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	0.125 in; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	100	100	ASTM D785
Tensile Strength at Break	214 MPa	31000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	324 MPa	47000 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	
Deflection Temperature at 1.8 MPa (264 psi)	254 °C	489 °F	Unannealed; ASTM D648

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