

Chase Plastics CP Pryme® N300HL (Dry) Nylon 6, Heat Stabilized, Lubricated, Recycled Content

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Heat Stabilized

Material Notes:

Features: Heat StabilizedLubricatedRecycled contentForm: PelletsInformation provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-N300HL-Dry-Nylon-6-Heat-Stabilized-Lubricated-Recycled-Content.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Water Absorption	1.8 %	1.8 %	At 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	75.8 MPa	11000 psi	ASTM D638
Elongation at Break	55 %	55 %	ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	2.90 GPa	420 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	216 °C	420 °F	
Deflection Temperature at 1.8 MPa (264 psi)	65.6 °C	150 °F	Unannealed; ASTM D648

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