

Nylene® 452 Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Dry as molded. Injection molding grade. Nylene 452 is a plasticized, injection molding nylon for use in applications requiring high flexibility, and excellent toughness and abrasion resistance. Because of its internal lubricant and high monomer content, Nylene 452 will perform well in critical molding processes requiring very good melt flow. ALM, Nylene Canada, and Custom Resins are all operating companies of Polymeric Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nylene-452-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ASTM D792
Water Absorption	3.9 %	3.9 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D638
Elongation at Break	360 %	360 %	ASTM D638
Flexural Yield Strength	44.0 MPa	6380 psi	ASTM D790
Izod Impact, Notched	1.90 J/cm	3.56 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	152 °C	306 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	ASTM D495

Processing Properties	Metric	English	Comments
Processing Temperature	232 - 243 °C	450 - 469 °F	At Nozzle
Nozzle Temperature	232 - 243 °C	450 - 469 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China