

Nylene® 453 Nylon 6, 50% RH

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

Material Notes:

Injection molding grade. Nylene 453 is a UV stabilized, high viscosity nylon resistant to degradation by ultraviolet light. The elevated quality of UV resistance provided by 453 is attributed to highly uniform dispersion of 2% carbon black. With cylinder temperatures of 525 - 550°F and mold temperatures of 140 - 160°F, Nylene 453 can be molded into parts having a uniform, glossy appearance. 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-453-Nylon-6-50-RH.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	191 °C	376 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	280 °C	536 °F	

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