

Nylene® PX3422 Nylon 6, Impact Extrusion Grade

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

Dry as molded. Film Grade. Nylene PX3422 is a heat stabilized, high impact modified nylon resin designed for maximum toughness with minimum sacrifice in tensile strength and melting point. PX3422 offers outstanding elongation and good retention of that elongation after 5 days of heat aging at 177 °C (95% elongation). Optimum processing conditions should provide a melt temperature of 490 - 530°F at the die. 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-PX3422-Nylon-6-Impact-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM D638
Elongation at Break	310 %	310 %	ASTM D638
Flexural Modulus	1.40 GPa	203 ksi	ASTM D790
Izod Impact, Notched	8.30 J/cm	15.5 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	42.0 °C	108 °F	ASTM D495

Processing Properties	Metric	English	Comments
Processing Temperature	265 °C	509 °F	

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