

NYCOA 2084 HS Super-Tough, High Viscosity Nylon 6 Resin

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

Material Notes:

NYCOA 2084 HS is a high viscosity resin particularly suitable for extrusion processing. Its melt viscosity and strength provide ease of processing for tubing, profile, and molded articles. This material has been specially formulated with an organic heat stabilizer to eliminate copper iodide extraction in windshield-wiper tubing applications. In addition, the base resin is fully extracted to minimize caprolactam extractables. Typical applications include automotive tubing, windshield washer tubing, and hoses. Information provided by Nycoa, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYCOA-2084-HS-Super-Tough-High-Viscosity-Nylon-6-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	ASTM D792
Water Absorption	1.0 %	1.0 %	24 hours; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 psi	ASTM D638
Elongation at Break	>= 300 %	>= 300 %	ASTM D638
Flexural Strength	40.0 MPa	5800 psi	ASTM D790
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790
Izod Impact, Notched	8.00 J/cm	15.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ASTM D789

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