

NYCOA 1595 HS Impact Modified, Medium Viscosity Nylon 6 Resin

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

Material Notes:

NYCOA 1595 HS is a medium viscosity Nylon 6 resin, which offers superior flexibility and toughness in both molding and extrusion applications. Its high melt viscosity and strength provides excellent processability and yields extremely tough and resilient finished articles. Injection molding of high strength parts can be accomplished with molding cycles almost equivalent to those obtained with general-purpose grade resins, even though higher cylinder temperatures may sometimes be required. NYCOA 1595 HS resin has acceptance in diversified applications from convoluted tubing, windshield washer tubing, profile, to tough molded articles. Information provided by Nycoa, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYCOA-1595-HS-Impact-Modified-Medium-Viscosity-Nylon-6-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Water Absorption	1.7 %	1.7 %	24 hours; ASTM D570
Melt Flow	2.5 g/10 min @Load 1.00 kg, Temperature 235 °C	2.5 g/10 min @Load 2.20 lb, Temperature 455 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.0 MPa	7540 psi	ASTM D638
Elongation at Break	75 %	75 %	ASTM D638
Flexural Strength	60.0 MPa	8700 psi	ASTM D790
Flexural Modulus	1.60 GPa	232 ksi	ASTM D790
Izod Impact, Notched	5.00 J/cm	9.37 ft-lb/in	ASTM D256

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

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