

NYCOA 2326 HS Super-Tough, Heat Stabilized Nylon 6 Resin

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Heat Stabilized

Material Notes:

NYCOA 2326 HS is an impact modified, heat stabilized Nylon 6 resin, which offers outstanding toughness, impact strength and chemical resistance. NYCOA 2326 HS has been specially formulated to give a high degree of impact strength, without the loss of stiffness and rigidity. NYCOA 2326 HS processes easily on conventional injection molding and extrusion equipment. Typical applications include clips, fasteners, wiring harnesses, power tool housings, and connectors. Information provided by Nycoa, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYCOA-2326-HS-Super-Tough-Heat-Stabilized-Nylon-6-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Water Absorption	1.7 %	1.7 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.016 cm/cm	0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM D638
Elongation at Break	125 %	125 %	ASTM D638
Flexural Strength	58.0 MPa	8410 psi	ASTM D790
Flexural Modulus	1.50 GPa	218 ksi	ASTM D790
Izod Impact, Notched	8.75 J/cm	16.4 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	140 °C	284 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	49.0 °C	120 °F	ASTM D648

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