

## NYCOA 1417 HS Heat Stabilized, Impact Modified Nylon 6 Resin

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

### Material Notes:

NYCOA 1417 HS is a heat stabilized and impact modified Nylon 6. This medium viscosity resin was developed for injection molding and extrusion processes for applications requiring improved toughness, flexibility, and good heat stability. NYCOA 1417 HS is suitable for a variety of applications including plugs, connectors, fasteners, clips, tool housings, and flexible tubing extrusion. Information provided by Nycoa, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NYCOA-1417-HS-Heat-Stabilized-Impact-Modified-Nylon-6-Resin.php](http://www.lookpolymers.com/polymer_NYCOA-1417-HS-Heat-Stabilized-Impact-Modified-Nylon-6-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Water Absorption	1.3 %	1.3 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	64.0 MPa	9280 psi	ASTM D638
Elongation at Break	75 %	75 %	ASTM D638
Flexural Strength	91.0 MPa	13200 psi	ASTM D790
Flexural Modulus	2.203 GPa	319.5 ksi	ASTM D790
Izod Impact, Notched	1.75 J/cm	3.28 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	168 °C	334 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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