

## NYCOA 534 H High Viscosity, Heat Stabilized Nylon 6 Resin

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

### Material Notes:

NYCOA 534 H is a high viscosity; heat stabilized, nucleated Nylon 6 resin. The high viscosity and fast set-up time make an excellent material for extrusion of tubing, rods, sheet and film. Because of its fast set-up time, fast extrusion line speeds have been achieved. NYCOA 534 H is suitable for applications that require continuous exposure to temperatures in excess of 110° C. Information provided by Nycoa, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NYCOA-534-H-High-Viscosity-Heat-Stabilized-Nylon-6-Resin.php](http://www.lookpolymers.com/polymer_NYCOA-534-H-High-Viscosity-Heat-Stabilized-Nylon-6-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Water Absorption	1.8 %	1.8 %	24 hours; ASTM D570
Viscosity Measurement	4.0 - 4.4	4.0 - 4.4	Relative, Sulfuric Acid; NYCOA test
	145 - 200	145 - 200	Relative, Formic Acid; NYCOA test

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	83.0 MPa	12000 psi	ASTM D638
Elongation at Break	130 %	130 %	ASTM D638
Flexural Strength	114 MPa	16500 psi	ASTM D790
Flexural Modulus	2.689 GPa	390.0 ksi	ASTM D790
Izod Impact, Notched	0.590 J/cm	1.11 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)	191 °C	376 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	ASTM D648

Descriptive Properties	Value	Comments
Water Extractables, %	0.8	

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