

# NYCOA Polyamide 534 H

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

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 b  
NYCOA 534 H is suitable for applications that require continuous exposure to temperatures in excess of 110° C.

General Information			
Additive	Nucleating agent		
	heat stabilizer		
Features	Nucleated		
	Fast molding cycle		
	Thermal Stability		
	Viscosity, High		
Uses	Bar		
	Films		
	Pipe fittings		
	Sheet		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	1.8	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	82.7	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	130	%	ASTM D638
Flexural Modulus <sup>3</sup>	2690	MPa	ASTM D790
Flexural Strength <sup>4</sup>	114	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	191	°C	ASTM D648
1.8 MPa, not annealed	65.6	°C	ASTM D648
Continuous Use Temperature	110	°C	ASTM D794

Melting Temperature	221	°C	DSC
Additional Information			
Relative Viscosity, NYCOA Method: 4 to 4.4 SAVWater Extractable, NYCOA Method: 0.8 %The value listed as Melting Point DSC, was tested in accordance with ASTM D789.The value listed as Max. Continuous Use Tmp, ASTM D794 may not have been tested according to this standard.			
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	51 mm/min		
4.	51 mm/min		

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#### Recommended distributors for this material

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