

# NYCOA Polyamide 2084 HS

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

NYCOA 2084 HS is a high viscosity resin particularly suitable for extrusion processing. Its melt viscosity and strength provide ease of processing for tubing, profile, and molded articles.

This material has been specially formulated with an organic heat stabilizer to eliminate copper iodide extraction in windshield-wiper tubing applications. In addition, the base resin is fully extracted to minimize caprolactam extractables.

Typical applications include automotive tubing, windshield washer tubing, and hoses.

General Information			
Additive	heat stabilizer		
Features	Ultra high toughness		
	Workability, good		
	Good melt strength		
	Thermal Stability		
	Viscosity, High		
Uses	Pipe		
	Pipe fittings		
	Application in Automobile Field		
	Profile		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	44.8	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	300	%	ASTM D638
Flexural Modulus <sup>3</sup>	1000	MPa	ASTM D790
Flexural Strength <sup>4</sup>	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	220	°C	DSC
Additional Information			
Tensile Elongation at Break, ASTM D638, 2 in/min: 300+%;The value listed as Melting Point DSC, was tested in accordance with ASTM D789.			
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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