

# NYCOA Polyamide 1595 HS

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

NYCOA 1595 HS is a medium viscosity Nylon 6 resin, which offers superior flexibility and toughness in both molding and extrusion applications. Its high melt viscosity and strength provides excellent processability and yields extremely tough and resilient finished articles. Injection molding of high strength parts can be accomplished with molding cycles almost equivalent to those obtained with general-purpose grade resins, even though higher cylinder temperatures may sometimes be required. NYCOA 1595 HS resin has acceptance in diversified applications from convoluted tubing, windshield washer tubing, profile, to tough molded articles.

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Workability, good		
	Good strength		
	Good flexibility		
	Good toughness		
	Elastic		
	Medium viscosity		
Uses	Pipe fittings		
	Profile		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/1.0 kg)	2.5	g/10 min	ASTM D1238
Water Absorption (24 hr)	1.7	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	52.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	75	%	ASTM D638
Flexural Modulus <sup>3</sup>	1600	MPa	ASTM D790
Flexural Strength <sup>4</sup>	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	220	°C	DSC
Additional Information			

The value listed as Melt Point DCS 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

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

