

# NYCOA Polyamide 715 C

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

NYCOA 715 C is an unextracted, high viscosity Nylon 6 resin for extrusion processing. The high viscosity of the resin makes it suitable for complex profile extrusion, mandrel extrusion as well as for blow molding applications.

NYCOA 715 C is available with custom additive packages: heat stabilizer, UV stabilizer, flame retardant and/or custom colors.

Typical applications include profile extrusion, flexible tubing, and mandrels.

General Information	
Features	Viscosity, High
Uses	Pipe fittings
	Profile
Appearance	Available colors
Forms	Particle
Processing Method	Blow molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	2.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	57.2	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	300	%	ASTM D638
Flexural Modulus <sup>3</sup>	862	MPa	ASTM D790
Flexural Strength <sup>4</sup>	37.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	163	°C	ASTM D648
Melting Temperature	221	°C	DSC

Additional Information			
Relative Viscosity, NYCOA Method: 4.5 to 5.3 SAVWater Extractable, NYCOA Method: 8 to 10 %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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