

NYCOA Polyamide 2047

Polyamide 6/69 Copolymer
Nycoa (Nylon Corporation of America)

Message:

NYCOA 2047 is a Nylon copolymer developed especially for applications that demand easy processing. Its lower melting point, greater flexibility, and lower crystallinity than standard nylon resins, makes it ideal for a variety of extrusion applications. In NYCOA 2047 typical applications include barrier films, tubing, trimmer line, and other industrial monofilaments. NYCOA 2047 complies with all the requirements of the FDA regulations 21 CFR 177.1500.

General Information			
Features	Copolymer		
	Workability, good		
	Good melt strength		
	Good toughness		
	Medium and high viscosity		
Uses	Films		
	monofilament		
	Pipe fittings		
Agency Ratings	FDA 21 CFR 177.1500		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Water Absorption (24 hr)	1.7	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	62.1	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Flexural Modulus ³	1900	MPa	ASTM D790
Flexural Strength ⁴	71.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	199	°C	DSC
Additional Information			
Relative Viscosity, NYCOA Method: 4 SAVWater Extractable, NYCOA Method: 0.8 %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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