

NYCOA Polyamide 567

Polyamide 6

Nycoa (Nylon Corporation of America)

Message:

NYCOA 567 is a general-purpose unextracted Nylon 6 resin, which offers superior flexibility and toughness in both molding and extrusion applications. It has a moderately high melt viscosity, excellent processability, and yields extremely tough and resilient NYCOA 567 resin has acceptance in diversified fields from grass cutting-line, to extruded soft-hand fishing line, and other monofilament applications. It is available with custom additive packages: heat stabilizer, UV stabilizer, flame retardant and/or colorant. NYCOA 567 can be certified to MIL-M-22096, Type IVA Nylon.

General Information	
Features	Workability, good
	Good flexibility
	Good toughness
	General
	Elastic
	Viscosity, High
Uses	monofilament
	General
	Fishery application
Agency Ratings	MIL M-22096, Type IVA
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Water Absorption (24 hr)	2.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	66.2	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Flexural Modulus ³	965	MPa	ASTM D790
Flexural Strength ⁴	46.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	215	°C	DSC

Additional Information			
Relative Viscosity, NYCOA Method: 2.9 to 3.2 SAVWater Extractable, NYCOA Method: 8 to 10 %Tensile Elongation at Break, ASTM D638, 2in/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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