

## NYCOA 567

### Unextracted, High Strength Nylon 6 Resin.

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 finished articles.

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 custom colors.

NYCOA 567 can be certified to MIL-M-22096, Type IVA Nylon.

Property	Test Method ASTM	English		SI	
		Unit	Value	Unit	Value
<b>Physical Properties</b>					
Specific Gravity	D 792	-	1.13	-	1.13
Water Absorption, 24 hr	D 570	%	2.0	%	2.0
Relative Viscosity	NYCOA	SAV	2.9 – 3.2	FAV	62 – 79
Water Extractable	NYCOA	%	8 – 10	%	8 – 10
<b>Mechanical Properties</b>					
Tensile Strength	D 638	psi	9,600	MPa	66
Ultimate Elongation	D 638	%	300+	%	300+
Flexural Modulus	D 790	psi	140,000	MPa	965
Flexural Strength	D 790	psi	6,800	MPa	47
Notched Izod Impact	D 256	ft.lbs./in.	2.9	J/m	156
<b>Thermal Properties</b>					
Melting Temperature	D 789	° F	419	° C	215

All test specimens tested in "dry" state – less than 0.3% moisture.  
Izod Impact – ½" x ¼" bars.  
All tensile properties obtained at a testing speed of 2 in./min.

The information contained herein is based upon data believed to be thoroughly reliable. However, due to the many uses to which this material is put, and the different equipment and techniques used, we cannot guarantee results in specific instances. Nor should any statement herein be construed as a recommendation to use our products in the infringement of a patent.