

NYCOA 2063

FDA Compliant, Specialty Copolyamide Resin.

NYCOA 2063 is a Nylon copolymer suitable for injection molding and extrusion. This copolymer offers an excellent balance of mechanical properties and outstanding processability.

Its lower melting point, greater flexibility, and lower crystallinity than standard nylon resins, makes it ideal for a variety of extrusion applications. In addition, the high relative viscosity provides excellent melt strength and toughness after processing.

NYCOA 2063 complies with all the requirements of the FDA regulations 21 CFR 177.1500.

NYCOA 2063 typical applications include barrier films and tubing.

Property	Test Method	English		SI	
		Unit	Value	Unit	Value
Physical Properties					
Specific Gravity	D 792	-	1.13	-	1.13
Water Absorption, 24 hr	D 570	%	1.7	%	1.7
Relative Viscosity	NYCOA	SAV	3.5	FAV	100
Water Extractable	NYCOA	%	0.8	%	0.8
Mechanical Properties					
Tensile Strength	D 638	psi	10,500	MPa	72
Ultimate Elongation	D 638	%	200+	%	200+
Flexural Modulus	D 790	psi	344,000	MPa	2,372
Flexural Strength	D 790	psi	13,000	MPa	90
Notched Izod Impact	D 256	ft.lbs./in.	0.75	J/m	40
Thermal Properties					
Melting Temperature	D 789	° F	390	° C	199
<small>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.</small>					
<small>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.</small>					