

NYCOA 2011

Medium Viscosity, Copolyamide TPE.

NYCOA 2011 is a flexible Nylon copolymer TPE particularly suitable for extrusion applications. It has a moderately high melt viscosity, excellent processability and yields extremely tough and resilient finished articles.

NYCOA 2011 is recommended for applications that demand easy flow, exceptional toughness, and flexibility with low moisture absorption. The high thermal and chemical resistance, inherent to Nylon 6, is retained.

NYCOA 2011 is available with custom additive packages: heat stabilizer, UV stabilizer, flame retardant and/or customer colors. Typical applications include flexible tubing and fishing line.

Property	Test Method ASTM	English		SI	
		Unit	Value	Unit	Value
Physical Properties					
Specific Gravity	D 792	-	1.10	-	1.10
Water Absorption, 24 hr	D 570	%	1.3	%	1.3
Water Absorption, Saturation	D 570	%	6.5	%	6.5
Water Extractable	NYCOA	%	8-10	%	8-10
Mechanical Properties					
Tensile Strength	D 638	psi	8,400	MPa	58
Ultimate Elongation	D 638	%	500+	%	500+
Flexural Modulus	D 790	psi	68,000	MPa	468
Flexural Strength	D 790	psi	3,200	MPa	22
Notched Izod Impact	D 256	ft.lbs./in.	3.5	J/m	175
Thermal Properties					
Melting Temperature	D 789	° F	401	° C	205

All test specimens tested in "dry" state - less than 0.3% moisture.
Izod Impact - 1/2" x 1/4" 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.