

NYCOA 2276

Unextracted, Nylon Co-Polyamide Resin

NYCOA 2276 is a Nylon copolymer developed specially for applications that demand a high degree of toughness and flexibility. Its moderately high melt viscosity processes easily on conventional extrusion equipment and yields products with extremely high tenacity and strength.

NYCOA 2276 is available with custom additive packages including heat stabilizers, UV stabilizers, or customer colors.

Typical applications include premium weed-eater monofilament and fishing line.

Property	Test Method	English		SI	
		Unit	Value	Unit	Value
Physical Properties					
Specific Gravity	D 792	-	1.12	-	1.12
Water Absorption, 24 hr	D 570	%	2.0	%	2.0
Relative Viscosity	NYCOA	SAV	4.0	FAV	145
Water Extractable	NYCOA	%	5 - 7	%	5 - 7
Mechanical Properties					
Tensile Strength	D 638	psi	9,425	MPa	65
Ultimate Elongation	D 638	%	500+	%	500+
Flexural Modulus	D 790	psi	156,000	MPa	1,075
Flexural Strength	D 790	psi	6,500	MPa	45
Notched Izod Impact	D 256	ft.lbs./in.	1.9	J/m	95
Thermal Properties					
Melting Temperature	D 789	° F	370	° C	188

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.