

NYCOA 1976

Plasticized, Extrusion Grade, Nylon Alloy.

NYCOA 1976 is a high viscosity resin particularly suitable for extrusion processing.

NYCOA 1976 was specifically formulated to offer very high flexibility, strength, and impact toughness in extruded products.

Property	Method	English		SI	
		Unit	Value	Unit	Value
Physical Properties					
Specific Gravity	D 792	-	1.02	-	1.02
Water Absorption, 24 hr	D 570	%	1.0	%	1.0
Linear Mold Shrinkage (Parallel)	D 955	%	0.8	%	0.8
Linear Mold Shrinkage (Normal)	D 955	%	1.0	%	1.0
Mechanical Properties					
Shore Durometer	D 2240	D	45	D	45
Tensile Strength	D 638	psi	4,060	MPa	28
Ultimate Elongation	D 638	%	600+	%	600+
Flexural Modulus	D 790	psi	13,000	MPa	90
Flexural Strength	D 790	psi	1,600	MPa	11
Notched Izod Impact	D 256	ft.lbs./in	16 (NB)	J/m	800 (NB)
Thermal Properties					
Melting Temperature	D 789	°F	401	°C	205
<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>					