

NYCOA 2301

Specialty Copolyamide TPE

NYCOA 2301 is a highly flexible Nylon copolymer TPE suitable for extrusion processing and injection molding.

NYCOA 2301 processes easily at low injection pressure compared to other impact modified nylons. It can be molded and extruded on standard equipment.

NYCOA 2301 is recommended for applications that require premium toughness such as hoses, connectors, tool housing, appliance parts, and hardware items.

Property	Method ASTM	English		SI	
		Unit	Value	Unit	Value
Physical Properties					
Specific Gravity	D 792	-	1.11	-	1.11
Water Absorption, 24 hr	D 570	%	1.7	%	1.7
Linear Mold Shrinkage (Parallel)	D 955	%	1.2	%	1.2
Linear Mold Shrinkage (Normal)	D 955	%	1.4	%	1.4
Mechanical Properties					
Tensile Strength	D 638	psi	7,550	MPa	52
Ultimate Elongation	D 638	%	300+	%	300+
Flexural Modulus	D 790	psi	130,000	MPa	900
Flexural Strength	D 790	psi	5,200	MPa	36
Notched Izod Impact	D 256	ft.lbs./in.	2.24	J/m	112
Thermal Properties					
Melting Temperature	D 789	° F	414	° C	212

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 50 mm./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.