

NYCOA 2246

Plasticized Copolyamide TPE

NYCOA 2246 is a highly flexible Nylon copolymer TPE developed for both injection molding and extrusion applications. The chemical composition of 2246 delivers improved impact performance at ambient or low temperatures and increased flexibility to meet higher impact performance. The high thermal and chemical resistance, inherent to Nylon 6, is retained.

NYCOA 2246 processes easily at low injection pressure compared to other impact modified Nylons and can be molded or extruded on standard equipment.

NYCOA 2246 is recommended for applications that require premium toughness and durability such as sporting goods, appliance parts, and hardware items.

Property	Method ASTM	English Unit	English Value	SI Unit	SI Value
Physical Properties					
Specific Gravity	D 792	-	1.08	-	1.08
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					
Shore Durometer	D 2240	D	70	D	70
Tensile Strength	D 638	psi	7,550	MPa	52
Ultimate Elongation	D 638	%	300+	%	300+
Flexural Modulus	D 790	psi	72,500	MPa	500
Flexural Strength	D 790	psi	2,320	MPa	16
Notched Izod Impact	D 256	ft.lbs./in.	3.52	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 – 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.