

NYCOA 3340 UV HS

Nylon Copolyamide/PP Alloy

NYCOA 3340 UV HS is a flexible Nylon copolymer/ Polypropylene alloy that has been developed for both injection molding and extrusion applications.

The chemical composition of **NYCOA 3340** promotes good adhesion to polyolefins and other materials, without the problem of migration associated with the use of plasticizers. In addition, its high melt viscosity and melt strength provides outstanding processability for tubing, profile, film, and sheet.

Property	Method	English		SI	
		Unit	Value	Unit	Value
Physical Properties					
Specific Gravity	D 792	-	0.95	-	0.95
Water Absorption, 24 hr	D 570	%	NA	%	NA
Linear Mold Shrinkage (Parallel)	D 955	%	NA	%	NA
Linear Mold Shrinkage (Normal)	D 955	%	NA	%	NA
Mechanical Properties					
Shore Durometer	D 2240	D	68	D	68
Tensile Strength	D 638	psi	4,100	MPa	28
Ultimate Elongation	D 638	%	90	%	90
Flexural Modulus	D 790	psi	126,000	MPa	870
Flexural Strength	D 790	psi	4,350	MPa	30
Notched Izod Impact	D 256	ft.lbs./in.	6.0	J/m	300
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 – 1/2" x 1/4" bars. All tensile properties obtained at a testing speed of 50 mm./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>					