

NYCOA 5400

Super Tough, FDA Approved, Nylon 66 Resin.

NYCOA 5400 is an impact modified Nylon 66 resin that offers outstanding toughness, exceptional processability and meets the requirements of FDA 21 CFR 177.1500.

NYCOA 5400 is found in applications such as appliance housings, and kitchen utensils.

This grade of nylon is available in light stable grades as well as customer colors.

Property	Method	English		SI	
		Unit	Value	Unit	Value
Physical Properties					
Specific Gravity	D 792	-	1.08	-	1.08
Water Absorption, 24 hr	D 570	%	0.8	%	0.8
Linear Mold Shrinkage (Parallel)	D 955	%	1.5	%	1.5
Linear Mold Shrinkage (Normal)	D 955	%	1.6	%	1.6
Mechanical Properties					
Hardness, Rockwell (R Scale)	D 785	-	118	-	118
Tensile Strength	D 638	psi	6,900	MPa	48
Ultimate Elongation	D 638	%	75	%	75
Flexural Modulus	D 790	psi	232,000	MPa	1,600
Flexural Strength	D 790	psi	10,100	MPa	70
Notched Izod Impact	D 256	ft.lbs./in.	18	J/m	1000
Thermal Properties					
Melting Temperature	D 789	°F	496	°C	258
Heat Deflection Temp, 66 psi (0.45 MPa)	D 648	°F	372	°C	189
Heat Deflection Temp, 264 psi (1.82 MPa)	D 648	°F	158	°C	70
<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>					