

## NYCOA 2256

### 30% Glass fiber Reinforced, Impact Modified Nylon 6 Resin.

**NYCOA 2256** is a 30% glass fiber reinforced, impact modified Nylon 6 resin that features exceptional toughness, stiffness, and dimensional stability.

**NYCOA 2256** is suitable for injection molding and is recommended in applications in the hardware and automotive industries.

**NYCOA 2256** is available in heat and light stable grades and custom colors.

Property	Method	English		SI	
		Unit	Value	Unit	Value
<b>Physical Properties</b>					
Specific gravity	D 792	-	1.33	-	1.33
Water Absorption, 24 hr	D 570	%	0.95	%	0.95
Linear Mold Shrinkage (Parallel)	D 955	%		%	
Linear Mold Shrinkage (Normal)	D 955	%		%	
<b>Mechanical Properties</b>					
Hardness, Rockwell (R Scale)	D 785	-		-	
Tensile Strength	D 638	psi	19,000	MPa	131
Elongation	D 638	%	8.0	%	8.0
Flexural Modulus	D 790	psi	988,000	MPa	6,813
Flexural Strength	D 790	psi	23,350	MPa	160
Notched Izod Impact	D 256	ft.lbs./in.	2.2	J/m	118
<b>Thermal Properties</b>					
Melting Temperature	D 789	°F	430	°C	221
Heat Deflection Temp, 66 psi (0.45 MPa)	D 648	°F		°C	
Heat Deflection Temp, 264 psi (1.82 MPa)	D 648	°F		°C	
<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>					