

NYCOA 2248

33% Glass fiber Reinforced, Impact Modified Nylon 6 Resin.

NYCOA 2248 is a 33% glass fiber reinforced, impact modified Nylon 6 resin used for injection molding. This grade offers excellent balance of mechanical properties and outstanding processability.

NYCOA 2248 is available in heat and light stable grades, as well as in custom colors.

Typical applications include appliance and tool housings, automotive housings, and under-the-hood applications.

Property	Method	English		SI	
		Unit	Value	Unit	Value
Physical Properties					
Specific gravity	D 792	-	1.33	-	1.33
Water Absorption, 24 hr	D 570	%	0.90	%	0.90
Linear Mold Shrinkage (Parallel)	D 955	%		%	
Linear Mold Shrinkage (Normal)	D 955	%		%	
Mechanical Properties					
Hardness, Rockwell (R Scale)	D 785	-	122	-	122
Tensile Strength	D 638	psi	20,000	MPa	138
Elongation	D 638	%	10.0	%	10.0
Flexural Modulus	D 790	psi	1,000,000	MPa	6,900
Flexural Strength	D 790	psi	30,000	MPa	207
Notched Izod Impact	D 256	ft.lbs./in.	4.5	J/m	225
Thermal Properties					
Melting Temperature	D 789	°F	430	°C	221
Heat Deflection Temp, 66 psi (0.45 MPa)	D 648	°F	419	°C	215
Heat Deflection Temp, 264 psi (1.82 MPa)	D 648	°F	401	°C	205
<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>					