

# NYCOA Polyamide 2248

Polyamide 6

Nycoa (Nylon Corporation of America)

## Message:

NYCOA 2248 is a 33% glass fiber reinforced/impact modified nylon 6 resin that features a good balance of mechanical properties and possesses outstanding processability. NYCOA 2248 is suitable for injection molding and is recommended in applications such as appliance and tool housings. NYCOA 2248 is available in heat and light stable grades and custom colors.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Additive	Impact modifier		
Features	Impact modification Workability, good		
Uses	Electrical appliances Parts under the hood of a car Application in Automobile Field Shell		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	138	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	10	%	ASTM D638
Flexural Modulus <sup>3</sup>	6890	MPa	ASTM D790
Flexural Strength <sup>4</sup>	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	215	°C	ASTM D648
1.8 MPa, not annealed	205	°C	ASTM D648
Melting Temperature	221	°C	DSC
Additional Information			
The value listed as Melting Point DSC, was tested in accordance with ASTM D789.			
NOTE			

1.	51 mm/min
2.	51 mm/min
3.	51 mm/min
4.	51 mm/min

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

