

# NYCOA Polyamide ASN 27 300 SR UV

Polyamide 6

Nycoa (Nylon Corporation of America)

## Message:

NYCOA ASN 27/300 SR UV is a 30% glass fiber reinforced, UV stabilized Nylon 6 resin used for injection molding. This grade features excellent strength and stiffness, dimensional stability, and a greater service life than standard grades of glass reinforce  
NYCOA ASN 27/300 SR UV is available in heat stable, custom colors, and impact modified grades. It also has excellent chemical resistance to greases, oils, and other hydrocarbons.  
Typical applications include automotive pedals, power tool housing, and lawn & garden equipment parts.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	UV stabilizer		
Features	Good dimensional stability		
	Rigid, good		
	Good strength		
	Good chemical resistance		
	Hydrocarbon resistance		
	Oil resistance		
	Grease resistance		
Uses	Lawn and Garden Equipment		
	Power/other tools		
	Application in Automobile Field		
	Shell		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30	%	ASTM D955
Transverse flow	0.50	%	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	150	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	3.0	%	ASTM D638
Flexural Modulus <sup>3</sup>	7910	MPa	ASTM D790
Flexural Strength <sup>4</sup>	210	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	220	°C	ASTM D648
1.8 MPa, not annealed	210	°C	ASTM D648
Melting Temperature	222	°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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

