

# Next Nylon 6 Prime Series NMT-01NC

Polyamide 6

Next Polymers Ltd.

Message:

Description

PA6 Un Filled Medium Tough Natural Compound

Product Applications

Widely used in automobile and industrial parts.

Benefits

Good impact absorbing characteristic, excellent combination mechanical & thermal property.

General Information				
Features		Good Impact Resistance		
		Good Toughness		
Uses		Automotive Applications		
		Industrial Applications		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Appearance		Natural Color		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.11	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.3	--	%	
Across Flow	1.3	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	1.8	--	%	
Saturation <sup>1</sup>	8.2	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
M-Scale	95	--		
R-Scale	120	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	70.0	45.0	MPa	ASTM D638
Tensile Elongation (Break)	> 65	> 100	%	ASTM D638
Flexural Modulus	2950	--	MPa	ASTM D790
Flexural Strength	120	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	78	150	J/m	ASTM D256

Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	180	--	°C	
1.8 MPa, Unannealed	65.0	--	°C	
Melting Temperature	220	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Dielectric Strength	20	--	kV/mm	ASTM D149
Arc Resistance	120	--	sec	ASTM D495
Comparative Tracking Index	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature - Hot Air Dryer	80.0		°C	
Drying Time	4.0 to 6.0		hr	
Suggested Max Moisture	0.20		%	
Rear Temperature	220 to 230		°C	
Middle Temperature	230 to 240		°C	
Front Temperature	240 to 250		°C	
Mold Temperature	65.0 to 85.0		°C	
NOTE				
1.	Immersed			

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



WECHAT