

# Next Nylon 6 Prime Series NXF-01WH

Polyamide 6

Next Polymers Ltd.

Message:

Description  
PA6 Un Filled FR White Compound  
Product Applications  
Connectivity -Juction blocks, Terminal blocks, Connectors  
Benefits  
This Grades offers excellent moldability together with good stiffness.

General Information				
Features		Rigid, good Good formability		
Uses		Connector		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS compliance		
Appearance		White		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.17	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.2	--	%	ASTM D955
Transverse flow	1.2	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.1	--	%	ASTM D570
Saturation <sup>1</sup>	6.4	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
Class m	70	--		ASTM D785
Class r	85	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	75.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	15	25	%	ASTM D638
Flexural Modulus	2900	2600	MPa	ASTM D790
Flexural Strength	105	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	59	78	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method

Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	120	--	°C	ASTM D648
1.8 MPa, not annealed	85.0	--	°C	ASTM D648
Melting Temperature	220	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	--	ohms·cm	IEC 60093
Dielectric Strength	34	--	kV/mm	IEC 60243-1
Comparative Tracking Index	--	> 475	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	V-0	--		UL 94
Additional Information				

干燥  
This grade is not suitable for food contact, medical devices or toy applications

Injection	Dry	Unit	
Drying Temperature - Hot Air Dryer	80.0	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	230 - 240	°C	
Middle Temperature	240 - 250	°C	
Front Temperature	250 - 260	°C	
Mold Temperature	45.0 - 65.0	°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