Next Nylon 6 Prime Series NX-01NC

Polyamide 6

Next Polymers Ltd.

Message:

Description
PA6 UnFilled Natural Compound
Product Applications
Generally recommended for application such as wire devices, plugs, receptacles, connectors, convoluted tubing, filter housing, hinges & Textiles components etc
Benefits
Non lubricated nylon6. It exhibits good strength, stiffness & Toughness

General Information	
Features	Rigid, good Good strength Good toughness
Uses	Plug Wire and cable applications Textile applications Pipe fittings Connector Shell
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Appearance	Natural color
Processing Method	Injection molding

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.13	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.3	--	%	ASTM D955
Transverse flow	1.3	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.6	--	%	ASTM D570
Saturation [1]	9.5	--	%	ASTM D570

Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
Class m	80	--		ASTM D785
Class r	95	--		ASTM D785

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	75.0	50.0	MPa	ASTM D638

Tensile Elongation (Break)	> 50	> 100	%	ASTM D638
Flexural Modulus	2900	2100	MPa	ASTM D790
Flexural Strength	96.0	70.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	49	78	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	178	--	°C	ASTM D648
1.8 MPa, not annealed	65.0	--	°C	ASTM D648
Melting Temperature	220	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+14	--	ohms	IEC 60093
Volume Resistivity	1.0E+15	--	ohms·cm	IEC 60093
Dielectric Strength	32	--	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	HB	--		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 - 260		°C	
Front Temperature	260 - 270		°C	
Mold Temperature	80.0 - 95.0		°C	
NOTE				
1.	Immersed			

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


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