Next Nylon 6 Industrial Series NX-02WH

Polyamide 6

Next Polymers Ltd.

Message:

Description
PA6 UnFilled White Compound
Product Applications
Generally recommended for application such as gears, fitting, casters, beatings, clip, hardware items & typical application include technical parts with wall thickness greater than 2mm.
Benefits
It combines good strength and toughness

General Information				
Features	Good strength Good toughness			
Uses	Gear Accessories Bearing			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS compliance			
Appearance	White			
Processing Method	Injection molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.13	--	g/cm³	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	2.4	--	%	ASTM D570
Saturation [1]	6.5	--	%	ASTM D570
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
Class m	80	--		ASTM D785
Class r	110	--		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	65.0	45.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	> 100	%	ASTM D638
Flexural Modulus	2400	2100	MPa	ASTM D790
Flexural Strength	95.0	90.0	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	175	--	°C	ASTM D648
1.8 MPa, not annealed	70.0	--	°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	1.0E+12	ohms·cm	IEC 60093
Dielectric Strength	30	--	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	220 - 230	°C
Middle Temperature	230 - 240	°C
Front Temperature	250 - 260	°C
Mold Temperature	65.0 - 85.0	°C

NOTE	
1.	Immersed

Recommended distributors for this material

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WECHAT