Next Nylon 6 Prime Series NX-01M.WH.

Polyamide 6

Next Polymers Ltd.

Message:

Description
PA6 Un Filled Milky White Compound
Product Applications
This Grade is used in all sectors of industry Fasteners, monofilament, strapping, plug,caps and filter bowls
Benefits
Offering for an excellent strength, toughness and stiffness property as well excellent heat, chemical and abrasion resistance

General Information				
Features	Good Abrasion Resistance Good Chemical Resistance Good Stiffness Good Strength Good Toughness High Heat Resistance			
Uses	Caps Industrial Applications Plugs Strapping			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS Compliant			
Appearance	White			
Processing Method	Injection Molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.14	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.2	--	%	
Across Flow	1.2	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	2.3	--	%	
Saturation [1]	8.4	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
M-Scale	70	--		
R-Scale	105	--		
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	75.0	55.0	MPa	ASTM D638

Tensile Elongation (Break)	> 40	> 50	%	ASTM D638
Flexural Modulus	2700	2300	MPa	ASTM D790
Flexural Strength	110	95.0	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, Unannealed	165	--	°C	
1.8 MPa, Unannealed	70.0	--	°C	
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+13	ohms·cm	IEC 60093
Electric Strength	28	--	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
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	230 to 240		°C	
Middle Temperature	240 to 250		°C	
Front Temperature	250 to 260		°C	
Mold Temperature	60.0 to 80.0		°C	
NOTE				
1.	Immersed			

Recommended distributors for this material

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