Next Nylon 6 Prime Series NG10-01NC

Polyamide 6

Next Polymers Ltd.

Message:

Description
PA6 Glass Fiber Reinforced Natural Compound
Product Applications
This grade is used for internal gas pressure application such as sreering column, switch automobile mirror housing, wheel of mountain bikes and insulation parts
Benefits
This grade offering good combination between thermal and mechanical properties.

General Information				
Filler / Reinforcement	Glass Fiber,10% Filler by Weight			
Uses	Automotive Applications Housings Insulation Wheels			
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	1.20	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.40	--	%	
Across Flow	1.0	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	2.2	--	%	
Saturation [1]	7.5	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
M-Scale	110	--		
R-Scale	120	--		
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	90.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	12	%	ASTM D638
Flexural Modulus	4800	2200	MPa	ASTM D790
Flexural Strength	120	--	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**

Notched Izod Impact (23°C)	59	110	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	200	--	°C	
1.8 MPa, Unannealed	165	--	°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+15	ohms·cm	IEC 60093
Electric Strength	32	25	kV/mm	IEC 60243-1
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	240 to 250		°C	
Middle Temperature	250 to 260		°C	
Front Temperature	260 to 265		°C	
Mold Temperature	65.0 to 85.0		°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