

Next Nylon 66 Prime Series PXIM-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 UnFilled impact modified Natural Compound

Product Applications
This grade is widely used all sector of industries such as Sports and leisure applications ski component, ski and surf binding, Toy application, battery gasket, Fastners etc

Benefits
Good impact resistance, Fast cycle

General Information				
Additive	Impact Modifier			
Features	Fast Molding Cycle			
	Good Impact Resistance			
	Impact Modified			
Uses	Fasteners			
	Sporting Goods			
	Toys			
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	1.10	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.5	--	%	
Across Flow	1.5	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	1.2	--	%	
Saturation ¹	4.9	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
M-Scale	85	--		
R-Scale	110	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	65.0	50.0	MPa	ASTM D638
Tensile Elongation (Break)	30	> 50	%	ASTM D638
Flexural Modulus	2100	1100	MPa	ASTM D790

Flexural Strength	90.0	70.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	250 J/m	No Break		ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	175	--	°C	
1.8 MPa, Unannealed	92.0	--	°C	
Melting Temperature	260	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+17	1.0E+16	ohms·cm	IEC 60093
Electric Strength	30	--	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	260 to 270		°C	
Middle Temperature	270 to 280		°C	
Front Temperature	270 to 280		°C	
Mold Temperature	65.0 to 85.0		°C	
NOTE				
1.	Immersed			

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