

Next Nylon 66 Industrial Series PX-02BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 UnFilled Black Compound
Product Applications
Genral purpose application such as Textile parts, pulley sliding wheel, door handle and screw caps etc
Benefits
Good dimension stability & Good strength

General Information				
Features		Good Dimensional Stability Good Strength		
Uses		Caps Handles Pulleys Textile Applications Wheels		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Appearance		Black		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.14	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.75	--	%	
Across Flow	1.3	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	2.1	--	%	
Saturation ¹	6.5	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
M-Scale	80	--		
R-Scale	120	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	75.0	55.0	MPa	ASTM D638
Tensile Elongation (Break)	20	> 30	%	ASTM D638
Flexural Modulus	3000	2400	MPa	ASTM D790
Flexural Strength	110	85.0	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	180	--	°C	
1.8 MPa, Unannealed	80.0	--	°C	
Melting Temperature	260	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+15	ohms·cm	IEC 60093
Electric Strength	22	--	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	260 to 270		°C	
Middle Temperature	270 to 275		°C	
Front Temperature	275 to 280		°C	
Mold Temperature	65.0 to 85.0		°C	
NOTE				
1.	Immersed			

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