

Next Nylon 66 Prime Series PX-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 UnFilled Black Compound
Product Applications
Typical application such as power steering reservoir, canistor & Fastening devices
Benefits
This grade is used all sector of industries, offering Long term thermal stability & productivity.

General Information				
Features		Good Thermal Stability		
Uses		Automotive Applications		
		Fasteners		
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	1.3	--	%	
Across Flow	1.3	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	2.2	--	%	
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	90.0	70.0	MPa	ASTM D638
Tensile Elongation (Break)	20	> 40	%	ASTM D638
Flexural Modulus	3100	2900	MPa	ASTM D790
Flexural Strength	120	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	205	--	°C	
1.8 MPa, Unannealed	80.0	--	°C	
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+13	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)	V-2	--		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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