

Next Nylon 66 Prime Series PXHS-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description

PA66 UnFilled Heat Stabilized Black Compound

Product Applications

This grade is used for connector, Pin of automobile, Power steering reservoir tank, switch, canister, fuel filler tube etc

Benefits

offering an excellent long -term heat stability and productivity

General Information				
Additive	Heat Stabilizer			
Features	Good Thermal Stability			
	Heat Stabilized			
Uses	Automotive Applications			
	Switches			
	Tanks			
	Tubing			
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	1.4	--	%	
Across Flow	1.4	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	2.4	--	%	
Saturation ¹	7.9	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
M-Scale	79	--		
R-Scale	115	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	80.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	30	> 50	%	ASTM D638
Flexural Modulus	3000	2900	MPa	ASTM D790
Flexural Strength	110	75.0	MPa	ASTM D790

Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	59	88	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	75.0	--	°C	
Melting Temperature	260	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+15	ohms·cm	IEC 60093
Electric Strength	20	--	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	270 to 280		°C	
Middle Temperature	280 to 285		°C	
Front Temperature	285 to 290		°C	
Mold Temperature	65.0 to 85.0		°C	
NOTE				
1.	Immersed			

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