

Next Nylon 66 Prime Series PXR-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Un Filled Black Compound
Product Applications
Cable tie, Fasteners and connectors
Benefits
Excellent filling quality Good thermal resistance, high strength & V2 Rating under 0.4mm.

General Information				
Features		Good strength Heat resistance, medium		
Uses		Fasteners Connector		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS compliance		
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	1.2	--	%	ASTM D955
Transverse flow	1.2	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.2	--	%	ASTM D570
Saturation ¹	8.5	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	1800	MPa	ASTM D638
Tensile Strength	85.0	55.0	MPa	ASTM D638
Tensile Elongation (Break)	30	> 50	%	ASTM D638
Flexural Modulus	2900	--	MPa	ASTM D790
Flexural Strength	120	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	49	78	J/m	ASTM D256

Unnotched Izod Impact	No Break	No Break		ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	200	--	°C	ASTM D648
1.8 MPa, not annealed	75.0	--	°C	ASTM D648
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	--	ohms	IEC 60093
Volume Resistivity	1.0E+16	--	ohms·cm	IEC 60093
Dielectric Strength	27	--	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
Glow Wire Flammability Index (0.800 mm)	850	--	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (0.800 mm)	725	--	°C	IEC 60695-2-13
Additional Information				
干燥				
This grade is not suitable for food contact, medical devices or toy applications				
Injection	Dry	Unit		
Drying Temperature - Hot Air Dryer	80.0		°C	
Drying Time	4.0 - 6.0		hr	
Suggested Max Moisture	0.20		%	
Rear Temperature	260 - 270		°C	
Middle Temperature	270 - 280		°C	
Front Temperature	280 - 290		°C	
Mold Temperature	65.0 - 85.0		°C	
NOTE				
1.	Immersed			

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