

Next Nylon 66 Prime Series PXR-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 UnFilled Natural Compound
Product Applications
It is particularly suitable for the molding of long parts with thin wall selection requiring good thermal resistance, cable tie and fasteners, connectors and oil reserve tank
Benefits
Good long term thermal stability and is V2 rated under 0.40mm

General Information				
Features		Good Thermal Stability Medium Heat Resistance		
Uses		Connectors Fasteners Tanks Thin-walled Parts		
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	1.14	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.4	--	%	
Across Flow	1.4	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	2.6	--	%	
Saturation ¹	8.5	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
M-Scale	79	--		
R-Scale	115	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	90.0	70.0	MPa	ASTM D638
Tensile Elongation (Break)	20	> 50	%	ASTM D638
Flexural Modulus	3200	2900	MPa	ASTM D790
Flexural Strength	120	80.0	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	265	--	°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)	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	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

