

Next Nylon 6 Prime Series NXF-01BK

Polyamide 6

Next Polymers Ltd.

Message:

Description
PA6 Un Filled FR Black Compound
Product Applications
Connectivity -Juction blocks, Terminal blocks, Connectors
Benefits
This Grades offers excellent moldability together with good stiffness.

General Information				
Features		Rigid, good Good formability		
Uses		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	1.17	--	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	1.1	--	%	ASTM D570
Saturation ¹	6.4	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
Class m	70	--		ASTM D785
Class r	85	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	75.0	60.0	MPa	ASTM D638
Tensile Elongation (Break)	15	25	%	ASTM D638
Flexural Modulus	2900	2600	MPa	ASTM D790
Flexural Strength	105	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	59	78	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method

Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	120	--	°C	ASTM D648
1.8 MPa, not annealed	85.0	--	°C	ASTM D648
Melting Temperature	220	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	--	ohms·cm	IEC 60093
Dielectric Strength	34	--	kV/mm	IEC 60243-1
Comparative Tracking Index	--	> 475	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	V-0	--		UL 94
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	230 - 240	°C	
Middle Temperature	240 - 250	°C	
Front Temperature	250 - 260	°C	
Mold Temperature	45.0 - 65.0	°C	

NOTE

1. Immersed

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