Next Nylon 66 Prime Series PXF-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Un Filled FR Black Compound
Product Applications
Typical Application includes Terminal box, Electrical cooling fan, and housing Fuse Box, and carriers etc
Benefits
Good heat aging characteristics RTI (Mechanical) listing up to 140 *C, Halogen and Red phosphorous Free, Execellent CTI Value, Easy processing, V0 Listing at 0.4mm

General Information				
Features	Flame Retardant Good Heat Aging Resistance Good Processability Halogen Free Low (to None) Phosphorus Content			
Uses	Electrical Parts Housings			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS Compliant			
Appearance	Black			
Processing Method	Injection Molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.18	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.1	--	%	
Across Flow	1.1	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	1.5	--	%	
Saturation [1]	7.5	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	120	--		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	3600	2100	MPa	ASTM D638
Tensile Strength	80.0	55.0	MPa	ASTM D638
Tensile Elongation (Break)	6.0	15	%	ASTM D638
Flexural Modulus	3200	1900	MPa	ASTM D790

Flexural Strength	110	80.0	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.00	9.00	kJ/m²	ASTM D256
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	225	--	°C	
1.8 MPa, Unannealed	85.0	--	°C	
Melting Temperature	260	--	°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
Electric Strength	18	--	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 mm)	V-0	--		UL 94
Glow Wire Flammability Index (0.800 mm)	960	--	°C	IEC 60695-2-12
Oxygen Index	28	--	%	ASTM D2863
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 265		°C	
Middle Temperature	265 to 270		°C	
Front Temperature	265 to 270		°C	
Mold Temperature	65.0 to 85.0		°C	
NOTE				
1.	Immersed			

Recommended distributors for this material

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


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