Next Nylon 66 Industrial Series PX-02ABK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 UnFilled Black Compound
Product Applications
Genral purpose application such as lighters, aerosol valve & washers etc
Benefits
Good dimension stability & Good rigidity.

General Information				
Features	Good Dimensional Stability High Rigidity			
Uses	Valves/Valve Parts Washer			
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/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.75	--	%	
Across Flow	1.3	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	2.1	--	%	
Saturation [1]	6.5	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
M-Scale	80	--		
R-Scale	120	--		
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	75.0	55.0	MPa	ASTM D638
Tensile Elongation (Break)	25	40	%	ASTM D638
Flexural Modulus	3000	2400	MPa	ASTM D790
Flexural Strength	110	85.0	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
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	180	--	°C	
1.8 MPa, Unannealed	80.0	--	°C	
Melting Temperature	260	--	°C	ASTM D2117
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	--	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+15	ohms·cm	IEC 60093
Electric Strength	22	--	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	260 to 270		°C	
Middle Temperature	270 to 275		°C	
Front Temperature	275 to 280		°C	
Mold Temperature	65.0 to 85.0		°C	
NOTE				
1.	Immersed			

Recommended distributors for this material

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