Next Nylon 66 Prime Series PMG38-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass/Mineral Reinforced Heat stabilized Black compound
Product Applications
Commonly used in Automotive industries to mould a large part such as rocker cover and Engine cover.
Benefits
Good combination Between thermal and Mechanical properties, low warpage & Good dimensional stability

General Information				
Filler / Reinforcement	Glass\Mineral,38% Filler by Weight			
Additive	Heat Stabilizer			
Features	Good Dimensional Stability Heat Stabilized Low Warpage			
Uses	Automotive Applications			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS Compliant			
Appearance	Black			
Processing Method	Injection Molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.45	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.48	--	%	
Across Flow	0.80	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	1.5	--	%	
Saturation [1]	5.0	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
M-Scale	105	--		
R-Scale	120	--		
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	7500	5400	MPa	ASTM D638
Tensile Strength	120	75.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	5.0	%	ASTM D638
Flexural Modulus	7000	--	MPa	ASTM D790
Flexural Strength	180	--	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	255	--	°C	
1.8 MPa, Unannealed	230	--	°C	
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+16	--	ohms	IEC 60093
Volume Resistivity	1.0E+17	--	ohms·cm	IEC 60093
Electric Strength	28	--	kV/mm	IEC 60243-1
Comparative Tracking Index	475	--	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	85.0 to 95.0		°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