Next Nylon 66 Prime Series PMTHS-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 UnFilled MediumTough Heat Stabilized Black Compound
Product Applications
Industrial Application, Sporting goods & Typical application include fasteners and clamps.
Benefits
Having good stiffness and improved ambient with superior low temperature toughness

General Information				
Additive	Heat Stabilizer			
Features	Good Stiffness Good Toughness Heat Stabilized Low Temperature Toughness			
Uses	Fasteners Industrial Applications Sporting Goods			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS Compliant			
Appearance	Black			
Processing Method	Injection Molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.10	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	1.7	--	%	
Across Flow	1.7	--	%	
Water Absorption				ASTM D570
23°C, 24 hr	0.88	--	%	
Saturation [1]	6.5	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
M-Scale	70	--		
R-Scale	85	--		
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	60.0	40.0	MPa	ASTM D638
Tensile Elongation (Break)	30	> 50	%	ASTM D638
Flexural Modulus	2300	--	MPa	ASTM D790

Flexural Strength	110	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	180	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, Unannealed	185	--	°C	
1.8 MPa, Unannealed	65.0	--	°C	
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	IEC 60093
Electric Strength	30	--	kV/mm	IEC 60243-1
Comparative Tracking Index	550	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 280		°C	
Front Temperature	280 to 290		°C	
Mold Temperature	65.0 to 85.0		°C	
NOTE				
1.	Immersed			

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