Next Nylon 66 Prime Series PGHSLR33-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Heat stabilized Hydrolysis resistant Black compound
Product Applications
This grade is recommended for molded parts exposed to high temperatures and in contact with oils and greases, under the hood application such as radiator end tanks, Engine supports brake, clutch and gas pedals.
Benefits
Fatigue resistant, Fuel/oil/greases resistant, Anti freeze resistant & creep resistant with a good balance of strees- strain behavior.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight
Additive	heat stabilizer
Features	Good creep resistance Fatigue resistance Fuel resistance Hydrolysis resistance Oil resistance Grease resistance Thermal Stability
Uses	Application in Automobile Field
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Appearance	Black
Processing Method	Injection molding

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.39	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.30	--	%	ASTM D955
Transverse flow	0.90	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.2	--	%	ASTM D570
Saturation [1]	6.4	--	%	ASTM D570

Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785
Class m	110	--		ASTM D785
Class r	125	--		ASTM D785

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	190	130	MPa	ASTM D638

Tensile Elongation (Break)	3.0	5.0	%	ASTM D638
Flexural Modulus	10000	7200	MPa	ASTM D790
Flexural Strength	260	210	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	120	140	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	260	--	°C	ASTM D648
1.8 MPa, not annealed	253	--	°C	ASTM D648
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+14	--	ohms	IEC 60093
Volume Resistivity	1.0E+15	--	ohms·cm	IEC 60093
Dielectric Strength	32	--	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
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	260 - 270		°C	
Middle Temperature	270 - 280		°C	
Front Temperature	280 - 290		°C	
Mold Temperature	70.0 - 100		°C	
NOTE				
1.	Immersed			

Recommended distributors for this material

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