Next Nylon 66 Prime Series PG33-01BK

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Black Compound
Product Applications
Generally recommended for switch components, valve bodies relay parts, under the hood automotive parts, engine mounts etc
Benefits
Offering Excellent strength, Stiffness, creep resistance, and dimensional stability

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight
Features	Good dimensional stability Rigidity, high High strength Good creep resistance
Uses	Valve/valve components Parts under the hood of a car
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	0.28	--	%	ASTM D955
Transverse flow	0.75	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.8	--	%	ASTM D570
Saturation [1]	6.1	--	%	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	180	135	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	12500	9500	MPa	ASTM D790
Flexural Strength	260	210	MPa	ASTM D790

Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact (23°C)	130	180	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	256	--	°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	1.0E+15	ohms·cm	IEC 60093
Dielectric Strength	26	24	kV/mm	IEC 60243-1
Comparative Tracking Index	650	--	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	270 - 280	°C
Middle Temperature	280 - 290	°C
Front Temperature	290 - 300	°C
Mold Temperature	65.0 - 85.0	°C

NOTE

1. Immersed

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