Next Nylon 66 Prime Series PG40-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Natural Compound
Product Applications
This grade is widely used for Automotive parts - pedal oil filter housing, clutch master cylinder etc
Benefits
Offering Excellent combination of thermal stability and Mechanical properties

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight			
Features	Thermal stability, good			
Uses	Application in Automobile Field			
Agency Ratings	EC 1907/2006 (REACH)			
RoHS Compliance	RoHS compliance			
Appearance	Natural color			
Processing Method	Injection molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Specific Gravity	1.46	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.20	--	%	ASTM D955
Transverse flow	0.45	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.7	--	%	ASTM D570
Saturation [1]	5.8	--	%	ASTM D570
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
Class m	105	--		ASTM D785
Class r	125	--		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	200	160	MPa	ASTM D638
Tensile Elongation (Break)	4.0	6.0	%	ASTM D638
Flexural Modulus	11000	6500	MPa	ASTM D790
Flexural Strength	285	220	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	160	190	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	254	--	°C	ASTM D648
Melting Temperature	262	--	°C	ASTM D2117
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+16	--	ohms	IEC 60093
Volume Resistivity	1.0E+14	--	ohms·cm	IEC 60093
Dielectric Strength	27	24	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	270 - 280	°C
Middle Temperature	280 - 290	°C
Front Temperature	290 - 300	°C
Mold Temperature	65.0 - 85.0	°C

NOTE	
1.	Immersed

Recommended distributors for this material

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WECHAT