Next Nylon 66 Prime Series PGHS35-01NC

Polyamide 66

Next Polymers Ltd.

Message:

Description
PA66 Glass Fiber Reinforced Heat stabilized Natural Compound
Product Applications
Typical applications includes gears wheel, air duct,engine cover, solenoid valve housing, cables attachments, automotive fuel distributers and component for automotive gear shift.
Benefits
offering Excellent strength, Stiffness, creep resistance, and heat stability

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight
Additive	heat stabilizer
Features	Rigidity, high High strength Good creep resistance Thermal Stability
Uses	Wheels Gear Parts under the hood of a car Application in Automobile Field Shell
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	1.41	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.30	--	%	ASTM D955
Transverse flow	1.1	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.6	--	%	ASTM D570
Saturation [1]	5.0	--	%	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	210	160	MPa	ASTM D638
Tensile Elongation (Break)	3.0	4.0	%	ASTM D638
Flexural Modulus	10700	--	MPa	ASTM D790
Flexural Strength	285	--	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	120	160	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	255	--	°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	34	--	kV/mm	IEC 60243-1
Comparative Tracking Index	450	--	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

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