Next Nylon 6 Prime Series NG20-01GY

Polyamide 6

Next Polymers Ltd.

Message:

Description
PA6 Glass Fiber Reinforced Grey Compound
Product Applications
This grade is ideally suited for engine and motor parts
Benefits
Good balance of engineering properties combined with excellent processability and surface aesthetics.

General Information	
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight
Features	Workability, good Good appearance
Uses	Parts under the hood of a car Application in Automobile Field
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Appearance	Grey
Processing Method	Injection molding

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.30	--	g/cm³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.55	--	%	ASTM D955
Transverse flow	1.2	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	2.1	--	%	ASTM D570
Saturation [1]	5.9	--	%	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	120	75.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	7.0	%	ASTM D638
Flexural Modulus	6500	5100	MPa	ASTM D790
Flexural Strength	175	--	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**

Notched Izod Impact (23°C)	59	78	J/m	ASTM D256
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	210	--	°C	ASTM D648
1.8 MPa, not annealed	185	--	°C	ASTM D648
Melting Temperature	220	--	°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	--	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	220 - 230	°C
Middle Temperature	230 - 240	°C
Front Temperature	240 - 250	°C
Mold Temperature	65.0 - 85.0	°C

NOTE	
1.	Immersed

Recommended distributors for this material

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