Next Nylon 6 Industrial Series NG35-02BK

Polyamide 6

Next Polymers Ltd.

Message:

Description
Nylon 6, Glass Fiber Reinforced Black compound
Product Applications
It is used in a wide variety of industries for applications, such as engine components in automotive.
Benefits
The product offers a good combination between thermal and mechanical properties.

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight			
Uses	Industrial application 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	1.40	--	g/cm^3	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.25	--	%	ASTM D955
Transverse flow	0.70	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	1.4	--	%	ASTM D570
Saturation [1]	6.8	--	%	ASTM D570
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				ASTM D785
Class m	105	--		ASTM D785
Class r	130	--		ASTM D785
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Strength	130	100	MPa	ASTM D638
Tensile Elongation (Break)	4.0	5.0	%	ASTM D638
Flexural Modulus	8200	6100	MPa	ASTM D790
Flexural Strength	190	150	MPa	ASTM D790
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	98	130	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	200	--	°C	ASTM D648
Melting Temperature	220	--	°C	ASTM D2117
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	--	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+14	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	260 - 270	°C
Middle Temperature	270 - 280	°C
Front Temperature	170 - 280	°C
Mold Temperature	65.0 - 85.0	°C

NOTE

1. Immersed

Recommended distributors for this material

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