

Beetle X/G, GXT

Urea Formaldehyde
BIP (Oldbury) Limited

Message:

Dry granulated grade. General purpose for all types of articles, particularly suitable for electrical accessories which require mouldings with an excellent surface finish and good dimensional stability. Has good pelleting properties.

General Information			
Filler / Reinforcement	Cellulose		
Features	General Purpose		
	Good Dimensional Stability		
	Outstanding Surface Finish		
Uses	General Purpose		
Agency Ratings	BS 1322 UF A10		
	DIN 7708 Type 131.5		
	ISO 2112 UF A10		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Apparent Density	0.64	g/cm ³	ISO 60
Bulk Factor	2.4		ISO 171
Molding Shrinkage			ISO 2577
-- ¹	0.73	%	
-- ²	0.76	%	
Water Absorption			
Cold ³	170.0	mg	DIN 53472
Cold ⁴	54.0	mg	ISO 62
Hot ⁵	280.0	mg	ISO 62
Post Shrinkage			ISO 2577
-- ⁶	0.45	%	
-- ⁷	0.42	%	
Martens Temperature	120	°C	DIN 43458
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	99.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	2.1	kJ/m ²	ISO 180/C
Unnotched Izod Impact Strength	8.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	134	°C	ISO 75-2/Ae
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11	ohms	DIN 53483
Volume Resistivity	1.0E+12	ohms·cm	DIN 53483
Electric Strength			IEC 60243-1
-- ⁸	9.0	kV/mm	
-- ⁹	7.8	kV/mm	
Dissipation Factor	0.025		DIN 53483
Comparative Tracking Index	> 600	V	IEC 60167
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Oxygen Index ¹⁰	33	%	ISO 4589-2
NOTE			
1.	Preheated powder		
2.	Cold powder		
3.	96 hr @ 23°C		
4.	24 hr @ 23°C		
5.	30 min @ 100°C		
6.	Cold powder		
7.	(48 hr) Preheated powder		
8.	(90°C) Preheated powder		
9.	Cold powder		
10.	Procedure A		

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