

Beetle X/Z, ZXT

Urea Formaldehyde

BIP (Oldbury) Limited

Message:

Wet granulated grade. As these grades are less "gassy" than dry granulated materials they are particularly suitable for thick section mouldings such as toilet seats. They are also recommended for moulding closures because their fines free flowing powder properties allow accurate metering of very small charge weights.

General Information			
Filler / Reinforcement	Cellulose		
Uses	Bathroom Accessories		
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	1.52	g/cm ³	ISO 1183
Apparent Density	0.70	g/cm ³	ISO 60
Bulk Factor	2.2		ISO 171
Molding Shrinkage			ISO 2577
-- ¹	0.73	%	
-- ²	0.76	%	
Water Absorption			
Cold ³	195.0	mg	DIN 53472
Cold ⁴	62.0	mg	ISO 62
Hot ⁵	280.0	mg	ISO 62
Post Shrinkage			ISO 2577
-- ⁶	0.50	%	
-- ⁷	0.50	%	
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)	133	°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	8.9	kV/mm	
-- ⁹	7.2	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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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

