

MELMEX MG

Melamine Formaldehyde

BIP (Oldbury) Limited

Message:

Dry granulated available in a limited range of popular colours. Its granular form makes it easy to handle and can be moulded by either pelleting and HF preheating or directly as a cold powder. Suitable for food contact applications.

General Information			
Filler / Reinforcement	Cellulose		
Uses	Non-specific Food Applications		
Agency Ratings	BS 1322 MF B10		
	BS 1322 MF B11		
	DIN 7708 Type 152.7		
	ISO 2112 MF B10		
	ISO 2112 MF B11		
Appearance	Colors Available		
Processing Method	Compression Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Apparent Density	0.68	g/cm ³	ISO 60
Bulk Factor	2.2		ISO 171
Molding Shrinkage ¹	0.65	%	ISO 2577
Water Absorption			
Cold ²	135.0	mg	DIN 53472
Cold ³	20.0	mg	ISO 62
Hot ⁴	64.0	mg	ISO 62
Post Shrinkage			ISO 2577
-- ⁵	0.85	%	
-- ⁶	1.2	%	
Martens Temperature	150	°C	DIN 43458
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	1.8	kJ/m ²	ISO 180/C
Unnotched Izod Impact Strength	8.4	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	170	°C	ISO 75-2/Ae
Electrical	Nominal Value	Unit	Test Method
Electric Strength			IEC 60243-1

-- ⁷	6.5	kV/mm	
-- ⁸	6.1	kV/mm	
Comparative Tracking Index	> 600	V	IEC 60167
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Oxygen Index ⁹	41	%	ISO 4589-2
NOTE			
1.	Preheated powder		
2.	96 hr @ 23°C		
3.	24 hr @ 23°C		
4.	30 min @ 100°C		
5.	Cold powder		
6.	(48 hr) Preheated powder		
7.	(90°C) Preheated powder		
8.	Cold powder		
9.	Procedure A		

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