

MELMEX SMX

Melamine Formaldehyde

BIP (Oldbury) Limited

Message:

Modified technical melamine with improved high temperature stability, lower distortion and reduced flow lines in comparison with urea powders. Suitable for the production of a wide range of articles where surface appearance is particularly important - e.g electrical accessories.

General Information			
Filler / Reinforcement	Cellulose		
Features	Good Thermal Stability		
Uses	Electrical/Electronic Applications		
Agency Ratings	BS 1322 MF B12		
	ISO 2112 MF B12		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Molding Shrinkage ¹	0.75	%	ISO 2577
Water Absorption			ISO 62
Cold ²	37.0	mg	
Hot ³	105.0	mg	
Post Shrinkage ⁴	0.70	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Flexural Stress	99.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	2.2	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)	164	°C	ISO 75-2/Ae
Electrical	Nominal Value	Unit	Test Method
Electric Strength ⁵	5.9	kV/mm	IEC 60243-1
Comparative Tracking Index	> 600	V	IEC 60167
NOTE			
1.	Preheated powder		
2.	24 hr @ 23°C		
3.	30 min @ 100°C		
4.	(48 hr) Preheated powder		
5.	(90°C) Preheated powder		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

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

