

Ebalta GM 708 / PUR 4

Polyurethane
Ebalta Kunststoff GmbH

Message:

GM 708 is a high-quality, almost odourless 2-components-polyurethane casting compound without any filler. The filler will only be added when mixing both components. The long potlife of more than 45 min makes it possible to cast big-volume parts. Depending on the application, different dry fillers can be used. To get optimum properties, especially low shrinkage, we recommend a high filler content.

- Applications
- Sheet metal forming
 - Foundry pattern
 - Negatives
 - fixtures
 - Properties
 - unfilled
 - slow curing

General Information			
Features	The smell is low to none		
Appearance	Brown		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	79 - 85		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	45.0 - 55.0	MPa	ISO 527-2
Tensile Strain (Break)	7.0 - 13	%	ISO 527-2
Flexural Modulus	2000 - 2500	MPa	ISO 178
Flexural Stress	100 - 120	MPa	ISO 178
Compressive Stress	72.0 - 88.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	50 - 66	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	73.0 - 79.0	°C	ISO 75-2/B
CLTE - Flow (20 to 50°C)	1.1E-4	cm/cm/°C	DIN 53752
Thermoset	Nominal Value	Unit	
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 75		
Additional Information			
Wear jet test : 138 W(V/t) [mm³/min] (internal tests)			
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.17 - 1.23	g/cm³	
Viscosity (25°C)	0.40 - 0.60	Pa·s	
Curing Time (20°C)	16 - 24	hr	

Pot Life ¹ (20°C)	45 - 60	min
NOTE		
1.	200 g	

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

