

Ebalta GM 725-7 / PUR 4

Polyurethane
Ebalta Kunststoff GmbH

Message:

This product is a polyurethane system.
Applications
Sheet metal forming
fixtures
Pattern plates
Foundry patterns
Control castings
Negatives
Properties
thick castable
very high strength
dimensionally accurate
workable

General Information			
Features	High strength		
Appearance	Beige		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	85 - 91		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	7820 - 9420	MPa	ISO 178
Flexural Stress	51.0 - 61.0	MPa	ISO 178
Compressive Stress	76.0 - 92.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	3.0 - 4.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	54.0 - 58.0	°C	ISO 75-2/B
CLTE - Flow	5.2E-5	cm/cm/°C	DIN 53752
Thermoset	Nominal Value	Unit	
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 15		
Additional Information			
Wear jet test : 182 W(V/t) [mm³/min] (internal tests)			
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.70 - 1.80	g/cm³	
Viscosity (25°C)	9.0 - 13	Pa·s	
Curing Time (20°C)	12 - 16	hr	

Pot Life ¹ (20°C)	18 - 22	min
NOTE		
1.	200 g	

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