

Ebalta MG 804 / Comp. A+B

Polyurethane

Ebalta Kunststoff GmbH

Message:

This product is a polyurethane system.

The processing is preferably made in customary vacuum pouring plant.

Manual processing possible.

Maximum wall thicknesses of the parts: from 5 - 10 mm.

Applications

High quality prototypes, like ABS

High quality prototypes, like PA

Properties

long potlife

very well castable

good impact strength

easily dyeable

low aggressiveness against silicones

General Information			
Features	Good Colorability		
	Good Impact Resistance		
Uses	Prototyping		
Appearance	White		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage	0.10	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	76 to 80		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	50.0 to 60.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0 to 10	%	ISO 527-2
Flexural Modulus	2120 to 2420	MPa	ISO 178
Flexural Stress	85.0 to 95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	33 to 45	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	69.0 to 73.0	°C	ISO 75-2/B
Glass Transition Temperature	82.0	°C	TMA
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Weight: 100		

Post Cure Time (60°C)	4.0	hr
Uncured Properties	Nominal Value	Unit
Density (20°C)	1.08 to 1.12	g/cm ³
Curing Time (60°C)	0.75 to 1.0	hr
Pot Life ¹ (20°C)	10 to 13	min
NOTE		
1.	200 g	

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