

Ebalta MG 128 / Comp. A+B

Polyurethane
Ebalta Kunststoff GmbH

Message:

e balta MG 128 is processed on a two-component low pressure device.
After grinding with a sand paper , grit 280, the surface can be varnished with a commercial lacquer. For better adhesion we recommend the use of a primer coat. Nitrocellulose lacquers have a better adhesion on polyurethane surfaces than on acryl-lacquer-systems.

Applications

Functional parts automotive field

Functional parts EDP field

Prototyping parts EDP field

Prototypes in the automotive field

Cladding parts automotive field

Cladding parts EDP field

Properties

high E-modulus

high heat resistance

good impact strength

longer processing time

excellent flow properties

General Information			
Features	Good Impact Resistance		
	High Flow		
	High Heat Resistance		
Uses	Automotive Applications		
	Prototyping		
Appearance	Black		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	81 to 85		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2500 to 3000	MPa	ISO 178
Flexural Stress	102 to 122	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	31 to 45	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	78.0 to 84.0	°C	ISO 75-2/B
Glass Transition Temperature	100	°C	DSC
Thermoset	Nominal Value	Unit	
Thermoset Components			

Mix Ratio by Volume: 91

Hardener

Mix Ratio by Weight: 110

Mix Ratio by Weight: 100

Resin

Mix Ratio by Volume: 100

Uncured Properties	Nominal Value	Unit
Density (20°C)	1.14 to 1.18	g/cm ³
Viscosity (25°C)	0.85 to 1.2	Pa·s
Curing Time (20°C)	3.0 to 3.5	hr
Pot Life ¹ (20°C)	6.0 to 7.0	min

NOTE

1. 200 g

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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



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