

# Ebalta MG 453 / Comp. A+B

Polyurethane  
Ebalta Kunststoff GmbH

Message:

ebalta MG 453 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.

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 heat resistance

excellent flow properties

medium E-modulus

good impact strength

General Information			
Features	Good Impact Resistance		
	High Flow		
	High Heat Resistance		
Uses	Automotive Applications		
	Prototyping		
Appearance	Black		
Processing Method	Casting		
	Reaction Injection Molding (RIM)		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	77 to 83		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1590 to 1690	MPa	ISO 178
Flexural Stress	64.0 to 66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	30 to 46	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	97.0 to 107	°C	ISO 75-2/B
Glass Transition Temperature	119 to 129	°C	DMA
Thermoset	Nominal Value	Unit	
Thermoset Components			

Mix Ratio by Volume: 66

Hardener

Mix Ratio by Weight: 75

Mix Ratio by Weight: 100

Resin

Mix Ratio by Volume: 100

Post Cure Time

70°C	4.0	hr
120°C	4.0	hr

Uncured Properties	Nominal Value	Unit
Density (20°C)	1.17 to 1.21	g/cm <sup>3</sup>
Curing Time (20°C)	0.17 to 0.25	hr
Pot Life (20°C)	0.92 to 1.0	min

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#### Recommended distributors for this material

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