

Ebalta MG 453 GF / Comp. A+B

Polyurethane

Ebalta Kunststoff GmbH

Message:

ebalta MG 453 GF 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 rigidity

high heat resistance

General Information			
Filler / Reinforcement	Glass Fiber		
Features	High Heat Resistance		
	High Rigidity		
Uses	Automotive Applications		
	Prototyping		
Appearance	Black		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	81 to 87		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2260 to 2760	MPa	ISO 178
Flexural Stress	88.0 to 92.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	16 to 20	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	103 to 113	°C	ISO 75-2/B
Glass Transition Temperature	124	°C	DMA
Thermoset	Nominal Value	Unit	
Thermoset Components	Mix Ratio by Volume: 61		
Hardener	Mix Ratio by Weight: 60		

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)	1.27 to 1.31	g/cm ³
Curing Time (20°C)	0.17 to 0.25	hr
Pot Life (20°C)	0.92 to 1.0	min

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