

# Ebalta GM 900-1 / Comp. A+B

Polyurethane

Ebalta Kunststoff GmbH

## Message:

The product is a very soft-elastic polyurea casting compound.

ebalta GM 900-1 is suitable as a flexible casting system in the field of mould- and tooling for parts which require low shore hardness and high tear propagation resistance due to deep under cuts.

### Applications

Casting mould for gypsum

Casting mould for ceramic materials

Casting mould for plastic

Casting mould for wax

### Properties

shore A hardness 13

highly flexible

good tear propagation resistance

General Information			
Features	Good Flexibility		
	Soft		
Uses	Molds/Dies/Tools		
Appearance	Black		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore A)	11 to 15		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>1</sup> (Yield)	0.900 to 1.30	MPa	ISO 37
Tensile Elongation <sup>2</sup> (Break)	680 to 830	%	ISO 37
Tear Strength <sup>3</sup> (1.00 mm)	2.0 to 2.4	kN/m	ISO 34-1
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 10		
Resin	Mix Ratio by Weight: 100		
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.09 to 1.15	g/cm <sup>3</sup>	
Viscosity (25°C)	1.2 to 1.6	Pa · s	
Curing Time (20°C)	7.0 to 10	hr	
Pot Life <sup>4</sup> (20°C)	17 to 27	min	
NOTE			
1.	Type 2		
2.	Type 2		
3.	Arch shaped test piece with incision		

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#### Recommended distributors for this material

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