

Ebalta GM 951-1 / Comp. A+B

Polyurethane
Ebalta Kunststoff GmbH

Message:

The product is a very soft elastic polyurea casting compound.
ebalta GM 951-1 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 plastic

Casting mould for wax

Casting mould for ceramic materials

Casting mould for PU-foam

Casting mould for cement

Gaskets

Sealing profiles in core boxes

fixtures

Properties

shore A hardness 45

well castable

good tear propagation resistance

General Information			
Features	Good Flexibility		
	Soft		
Uses	Gaskets		
	Molds/Dies/Tools		
	Seals		
Appearance	Black		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore A)	42 to 48		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	1.80 to 2.20	MPa	ISO 37
Tensile Elongation ² (Break)	880 to 1100	%	ISO 37
Tear Strength ³ (1.00 mm)	5.0 to 6.0	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)	1.12 to 1.18	g/cm ³	
Viscosity (25°C)	4.1 to 4.5	Pa · s	

Curing Time (20°C)	7.0 to 10	hr
Pot Life ⁴ (20°C)	17 to 27	min

NOTE		
1.	Type 2	
2.	Type 2	
3.	Arch shaped test piece with incision	
4.	200 g	

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