

Ebalta GM 959 / Comp. A+B

Polyurethane
Ebalta Kunststoff GmbH

Message:

This product is a polyurethane system.
By mixing of hardeners shore hardness between A 40 and A 80 can be reached (see mixing table).
The product can be subject to colour variations due to raw materials, but these colour variations have no influence on the quality and the properties of the product.

Applications

- Casting moulds for concrete
- Casting mould for cement
- Casting mould for ceramic materials
- Casting mould for wax
- Casting mould for gypsum
- Casting mould for plastic
- Prototypes with rubber-like properties

Properties

- shore A hardness 45
- shore hardness (flexibility) variable
- excellent flow properties
- good degasing
- easily dyeable
- good tear propagation resistance

General Information			
Features	Good Colorability		
	Good Flexibility		
	High Flow		
Uses	Molds/Dies/Tools		
	Prototyping		
Appearance	Amber		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore A)	43 to 47		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	3.50 to 4.10	MPa	ISO 37
Tensile Elongation ² (Break)	2300 to 2700	%	ISO 37
Tear Strength ³ (1.00 mm)	8.9 to 9.5	kN/m	ISO 34-1
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 140		
Resin	Mix Ratio by Weight: 100		
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.01 to 1.05	g/cm ³	

Viscosity (25°C)	0.95 to 1.4	Pa·s
Curing Time (20°C)	20 to 24	hr
Pot Life ⁴ (20°C)	22 to 28	min

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

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