

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 degassing

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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