

# Ebalta GM 986-1 / Comp. A+B

Polyurethane

Ebalta Kunststoff GmbH

## Message:

GM 986-1 Comp. B (Amine) 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.

This material is most suitable for high pressure moulding plants with high moulding pressure and temperature resistance. For application at 60°C Shore hardness D is between 60-62!

The postcured material is not UV stable and darkens by and by. However according to our experience the change in colour does not affect its utilizability. As bonding agent on aluminium support we recommend our PU coupling paste KP 8.

The material is also dimensionally stable at high temperatures. At a mould temperature of approx. 60°C a Shore hardness D of 62-64 will still be reached.

## Applications

Foundry patterns

Pattern plates

fixtures

## Properties

non-toxic according to regulations for hazardous material

Shore D hardness approx. 70

dimensionally stable at high temperatures

hard flexible

well castable

abrasion resistant

General Information			
Features	Good dimensional stability		
	Good flexibility		
	Good wear resistance		
	Non-toxic		
Appearance	Yellow		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	68 - 72		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	30.0 - 40.0	MPa	ISO 527-2
Tensile Strain (Break)	130 - 170	%	ISO 527-2
Flexural Modulus	750 - 950	MPa	ISO 178
Flexural Stress	30.0 - 40.0	MPa	ISO 178
Flexural Strain at Flexural Strength	7.5 - 8.5	%	ISO 178
Thermoset	Nominal Value	Unit	
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 26		
Additional Information			
Wear jet test : 35 W(V/t) [mm³/min] (internal tests)			
Uncured Properties	Nominal Value	Unit	

Density (20°C)	1.08 - 1.12	g/cm <sup>3</sup>
Viscosity (25°C)	5.3 - 6.3	Pa·s
Curing Time (20°C)	14 - 18	hr
Pot Life <sup>1</sup> (20°C)	16 - 20	min
NOTE		
1.	200 g	

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