

# Ebalta GM 984-1 / Comp. A+B

Polyurethane  
Ebalta Kunststoff GmbH

Message:

This product is a polyurethane system.  
GM 984-1 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.  
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.  
Physical final properties will be achieved after 7 days' curing at room temperature or after postcuring for 8 hrs. at 80°C.  
As bonding agent on aluminium support we recommend our PU coupling paste KP 8.

Applications

Core boxes

fixtures

Properties

non-toxic according to regulations for hazardous material

Shore D hardness approx. 65

hard elastomeric

very well castable

no brittleness phase

very abrasion resistant

General Information			
Features	Good wear resistance		
	Non-toxic		
Appearance	Orange		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	63 - 67		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	37.0 - 41.0	MPa	ISO 527-2
Tensile Strain (Break)	300 - 320	%	ISO 527-2
Flexural Modulus	747 - 827	MPa	ISO 178
Flexural Stress	27.0 - 29.0	MPa	ISO 178
Taber Abrasion Resistance (500 Cycles, 500g, H-18 wheel)	17.0	mg	Internal method
Flexural Strain at Flexural Strength	6.5 - 7.5	%	ISO 178
Thermoset	Nominal Value	Unit	
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 130		
Additional Information			
Wear jet test : 41 W(V/t) [mm³/min] (internal tests)			
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.13 - 1.17	g/cm³	

Viscosity (25°C)	2.5 - 2.9	Pa·s
Curing Time (20°C)	12 - 16	hr
Pot Life <sup>1</sup> (20°C)	30 - 45	min

#### NOTE

1. 200 g

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#### Recommended distributors for this material

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