

# Ebalta LH 22 / GL

Epoxy; Epoxide  
Ebalta Kunststoff GmbH

Message:

ebalta LH 22 is an epoxy laminating resin, which, depending on its application, can be used with the slow GL hardener or the faster GR hardener. They distinguish by minimal physiological effects. Regarding dimensional accuracy and -stability, laminates made of ebalta LH 22, even come up to great demands.

Due to its long potlife ebalta LH 22/GL is especially suitable for large-area and thick laminates, which also with a thickness of more than 10 mm, applied in one step, cure without any shrinkage at room temperature.

Applications

Laminate molds

Control gauges

Master models

Fixtures

Properties

dimensionally accurate

long potlife

low exothermic character

General Information			
Features	Good Dimensional Stability		
	Low Exotherm		
Uses	Laminates		
Appearance	White		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	83 to 89		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	3810 to 4110	MPa	ISO 178
Flexural Stress	90.0 to 110	MPa	ISO 178
Compressive Stress	94.2 to 95.8	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	15 to 22	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	62.0 to 66.0	°C	ISO 75-2/B
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 25		
Resin	Mix Ratio by Weight: 100		
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.32 to 1.38	g/cm <sup>3</sup>	
Viscosity (25°C)	1.1 to 1.5	Pa · s	
Curing Time (20°C)	16 to 24	hr	
Pot Life <sup>1</sup> (20°C)	40 to 45	min	

## NOTE

1. 200 g

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### Recommended distributors for this material

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