

Ebalta AH 100 / GL

Epoxy; Epoxide
Ebalta Kunststoff GmbH

Message:

ebalta AH 100 is a very thin, unfilled epoxy resin, which can be used with different hardeners. Depending on the application the suitable hardener can be mixed with the resin AH 100.

Due to its almost odourless skinfriendly hardener GL this mixture is also suitable as laminating resin. The good wetting properties allow fast laminating and lead to high glass contents of the laminate. This way you get solid and dimensionally stable parts.

Applications

Laminating resin for fabrics

Bonding resin for fillers

Properties

unfilled

skin friendly

nearly odourless

good wet-out characteristics

General Information			
Features	General Purpose		
	Low to No Odor		
Uses	Bonding		
	General Purpose		
	Laminates		
Appearance	Transparent - Slight Yellow		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	82 to 86		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2650 to 3050	MPa	ISO 178
Flexural Stress	87.0 to 97.0	MPa	ISO 178
Compressive Stress	79.0 to 89.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	30 to 46	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Martens Temperature	38 to 42	°C	DIN 53458
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 29		
Resin	Mix Ratio by Weight: 100		
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.10 to 1.14	g/cm ³	
Viscosity (25°C)	0.78 to 1.1	Pa · s	
Curing Time (20°C)	18 to 20	hr	

Pot Life ¹ (20°C)	45 to 55	min
NOTE		
1.	200 g	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

