# Ebalta AH 110 / GL

## Epoxy; Epoxide

### Ebalta Kunststoff GmbH

#### Message:

AH 110/GL is an epoxy resin with high strength even on elevated temperatures. It can be used as a casting resin with powdery fillers like aluminium powder, as a laminating resin with fibre glass cloth and as a bonding resin for granular fillers like aluminium granules. Depending on the application you can choose from a variety of hardeners. Applications Laminating resin for fabrics Bonding resin for fillers Properties

- unfilled
- high strength

nearly odourless

General Intornation     Features   General Purpose     High Strength   Low to No Odor     Uses   Bonding     General Purpose   Laminates     Apperance   Transparent - Slight Yellow     Processing Method   Casting     Processing Method   Casting     Shore Hardness (Shore D)   81 to 87     Mechanical   Nominal Value     Processing Method   200 to 3800     Mechanical   Nominal Value     Processing Method   150 to 178     Flexural Modulus   200 to 3800     Processing Method   150 to 178     Compressive Stress   95.0 to 115   MPa   50 to 178     Charpy Unnotched Impact Strength   15 to 35   M/m <sup>2</sup> 150 d50     Impact   Nominal Value   Unit   Test Method     Charpy Unnotched Impact Strength   15 to 35   M/m <sup>2</sup> 150 d50     Thermost   Nominal Value   Unit   Test Method     Martens Temperature   64 to 70   "C   DIN 53458     Thermost   Mix Ratio by Weight; 32   Test Method     Martens Temperature	<b>2</b>			
High Strength Low to No Odor     Uses   Bonding General Purpose Laminates     Appeande   Bonding General Purpose Laminates     Appeande   Trasparent-Sign Vellow     Processing Method   Gatig     Hardness   Mominal Value     Facandencio   Nominal Value     Mechandi   Nominal Value     Mechandi   Nominal Value     Mechandi   Solo To Arago     Mercandi Konson   Solo To Arago     Mercandi Konson   Solo To Arago     Marcan Emperature   Solo To Arago     <	General Information			
Low to No Odor     Uses   Bonding General Purpose Laminates     Appearance   Transparent - Stight Yellow     Processing Method   Casting     Hardness   Nominal Value     Bonding   Iso 87     Shore Hardness (Shore D)   81 to 87     Mechanical   Nominal Value     Precural Modulus   200 to 3800     Plexural Modulus   200 to 3800     Plexural Stress   125 to 145     Mornal Value   Unit     Flexural Modulus   950 to 115     Ompressive Stress   950 to 115     Marcan Strength   15 to 35     Mornal Value   Unit     Charpy Unnotched Impact Strength   15 to 35     Nominal Value   Unit     Teat Method   Sto 179     Tearmal   Nominal Value     Marcins Temperature   64 to 70     Nominal Value   Unit     Tearmate Temperature   64 to 70     Marcins Temperature   64 to 70     Marcins Temperature   64 to 70     Marcins Temperature   Marcins Stressing Minal Value     Intermoset   Marcin Strengthin	Features	General Purpose		
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Thermal   Nominal Value   Unit   Test Method     Martens Temperature   64 to 70   °C   DIN 53458     Thermoset   Nominal Value   Unit   Test Method     Thermoset Components   Nix Ratio by Weight: 32   Image: Components   Image: Components     Resin   Mix Ratio by Weight: 100   Image: Components   Image: Components     Uncured Properties   Nominal Value   Unit   Image: Components	Impact	Nominal Value	Unit	Test Method
Martens Temperature     64 to 70     °C     DIN 53458       Thermoset     Nominal Value     Unit     Common Section 100     Common Section 100       Hardener     Mix Ratio by Weight: 32     Common Section 100     Common Section 100     Common Section 100       Incured Properties     Nominal Value     Unit     Common Section 100     Common Section 100       Density (20°C)     1.11 to 1.15     g/cm³     Common Section 100     Common Section 100	Charpy Unnotched Impact Strength	15 to 35	kJ/m²	ISO 179
Thermoset Components   Nominal Value   Unit     Hardener   Mix Ratio by Weight: 32   Image: Components     Resin   Mix Ratio by Weight: 100   Image: Components     Uncured Properties   Nominal Value   Unit     Density (20°C)   1.11 to 1.15   g/cm³	Thermal	Nominal Value	Unit	Test Method
Hardener   Mix Ratio by Weight: 32     Resin   Mix Ratio by Weight: 100     Uncured Properties   Nominal Value   Unit     Density (20°C)   1.11 to 1.15   g/cm³	Martens Temperature	64 to 70	°C	DIN 53458
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Uncured PropertiesNominal ValueUnitDensity (20°C)1.11 to 1.15g/cm³	Hardener	Mix Ratio by Weight: 32		
Density (20°C) 1.11 to 1.15 g/cm <sup>3</sup>	Resin	Mix Ratio by Weight: 100		
	Uncured Properties	Nominal Value	Unit	
Viscosity (25°C)     1.3 to 1.6     Pa·s	Density (20°C)	1.11 to 1.15	g/cm³	
	Viscosity (25°C)	1.3 to 1.6	Pa·s	

Curing Time (20°C)	12 to 14	hr	
Pot Life <sup>1</sup> (20°C)	40 to 50	min	
NOTE			
1.	200 g		

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