

Ebalta AH 100 / TG

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.

This resin/hardener-mixture is inexpensive and therefore suitable as binder for silica sand auxiliary negatives.

Applications

Bonding resin for silica sand auxiliary negatives

Laminating resin for fabrics

Bonding resin for fillers

Properties

unfilled

low cost

low viscosity

General Information			
Features	General Purpose		
	Low Viscosity		
Uses	Binder		
	Bonding		
	General Purpose		
	Laminates		
Appearance	Transparent - Slight Yellow		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	79 to 85		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2600 to 3000	MPa	ISO 178
Flexural Stress	95.0 to 105	MPa	ISO 178
Compressive Stress	75.0 to 85.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	20 to 40	kJ/m ²	ISO 179
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 20		
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)	0.64 to 0.66	Pa · s	
Curing Time (20°C)	10 to 12	hr	
Pot Life ¹ (20°C)	40 to 50	min	

NOTE

1. 200 g

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