

Ebalta AH 100 / TGS

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.

The fast hardener TGS is used for thin laminates and small-volume back fillings.

Applications

Thin-walled laminates

Low volume backfillings

Bonding resin for fillers

Properties

unfilled

fast curing

General Information			
Features	Fast curing General		
Uses	Laminate General Bonding		
Appearance	Transparent-Slightly Yellow		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore D)	79 - 85	ISO 7619	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2600 - 3000	MPa	ISO 178
Flexural Stress	95.0 - 105	MPa	ISO 178
Compressive Stress	70.0 - 80.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	26 - 42	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Martens Temperature	49 - 55	°C	DIN 53458
Thermoset	Nominal Value	Unit	
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 20		
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.10 - 1.14	g/cm ³	
Viscosity (25°C)	0.65 - 0.85	Pa · s	
Curing Time (20°C)	8.0 - 10	hr	
Pot Life ¹ (20°C)	25 - 35	min	

NOTE

1. 200 g

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