

Ebalta LH 25 / LH 25 L

Epoxy; Epoxide
Ebalta Kunststoff GmbH

Message:

ebalta LH 25 is a light-filled two-components epoxy resin, meeting the requirements of flammability classification S4, smoke emission classification SR-2 as well as drooling classification ST-2 of material and assembly parts of rail vehicles, according to DIN 5510-S.
Regarding dimensional accuracy and -stability, laminates made of ebalta LH 25, even come up to great demands.

Applications

Laminate parts for rail vehicles

Properties

flammability classification S 4

dimensionally accurate

smoke emission class SR-2

drippability class ST-2

General Information			
Filler / Reinforcement	Filler		
Features	Good Dimensional Stability		
Uses	Laminates		
Appearance	White		
Hardness	Nominal Value	Test Method	
Shore Hardness (Shore D)	85 to 91	ISO 7619	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	4150 to 5050	MPa	ISO 178
Flexural Stress	78.0 to 94.0	MPa	ISO 178
Compressive Stress	100 to 120	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	6.5 to 9.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	87.0 to 93.0	°C	ISO 75-2/B
Glass Transition Temperature	89.0	°C	TMA
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 15		
Resin	Mix Ratio by Weight: 100		
Post Cure Time (80°C)	12 to 16	hr	
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.28 to 1.32	g/cm ³	
Viscosity (25°C)	0.85 to 1.1	Pa · s	
Curing Time (20°C)	20 to 24	hr	
Pot Life ¹ (20°C)	70 to 90	min	
NOTE			

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Recommended distributors for this material

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