

Ebalta BLH Epoxy 200 / W 400

Epoxy; Epoxide

Ebalta Kunststoff GmbH

Message:

Applications

Hand laminating

Boatbuilding

Properties

hardener W 400 is miscible with hardeners W 15 and K 25

heavy duty bonded fabrics

excellent soaking of glass fibre cloth

excellent soaking of carbon fibre cloth

low viscosity

certified according to "Germanischer Lloyd"

General Information			
Features	Heat Cure		
	Low Viscosity		
Uses	Laminates		
Appearance	Transparent Green		
Physical	Nominal Value	Unit	Test Method
Water Absorption			DIN 53495
23°C, 24 hr	0.11 to 0.13	%	
Saturation, 23°C ¹	0.29 to 0.33	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	78 to 82		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000 to 3300	MPa	ISO 527-2
Tensile Stress	62.0 to 68.0	MPa	ISO 527-2
Tensile Strain (Break)	8.8 to 9.2	%	ISO 527-2
Flexural Modulus	2550 to 2850	MPa	ISO 178
Flexural Stress	100 to 120	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0 to 74.0	°C	ISO 75-2/A
Glass Transition Temperature	80.0	°C	TMA
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 30		
Resin	Mix Ratio by Weight: 100		
Post Cure Time (70°C)	10 to 12	hr	
Uncured Properties	Nominal Value	Unit	

Viscosity (25°C)	0.25 to 0.41	Pa·s
Pot Life		
23°C ²	270 to 310	min
20°C ³	300 to 350	min
20°C ⁴	380 to 420	min

NOTE		
1.	168 h	
2.	500 g	
3.	200 g	
4.	100 g	

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