

# Ebalta BLH 200 / W 15

Epoxy; Epoxide  
Ebalta Kunststoff GmbH

## Message:

Slight discoloration of the hardener by oxygen possible, which doesn't affect the products quality.  
Demoulding of laminates made at room temperature (20°C) is possible. The parts show very good strength. To achieve maximum property values for example for flexural strength and heat resistance, we recommend thermal treatment at the recommended temperature.

Applications

Boatbuilding

Hand laminating

Properties

BLH hardener w 15 is miscible with BLH hardener w 400

post curing required

excellent soaking of aramid fibre cloth

excellent soaking of glass fibre cloth

excellent soaking of carbon fibre cloth

heavy duty bonded fabrics

low viscosity

certified according to "Germanischer Lloyd"

General Information			
Features	Good Strength		
	Heat Cure		
	Low Viscosity		
Uses	Laminates		
Appearance	Transparent Green		
Physical	Nominal Value	Unit	Test Method
Water Absorption			DIN 53495
23°C, 24 hr	0.12 to 0.14	%	
Saturation, 23°C <sup>1</sup>	0.32 to 0.36	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	78 to 82		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3630 to 3930	MPa	ISO 527-2
Tensile Stress	69.0 to 75.0	MPa	ISO 527-2
Tensile Strain (Break)	8.8 to 9.2	%	ISO 527-2
Flexural Modulus	2160 to 2460	MPa	ISO 178
Flexural Stress	98.0 to 118	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	81.0 to 85.0	°C	TMA
Martens Temperature	64 to 68	°C	DIN 53458
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 30		

Resin	Mix Ratio by Weight: 100	
Post Cure Time		
50°C	12 to 15	hr
80°C	12 to 15	hr
Uncured Properties	Nominal Value	Unit
Viscosity (25°C)	0.39 to 0.55	Pa·s
Curing Time (20°C)	8.0 to 10	hr
Pot Life		
23°C <sup>2</sup>	12 to 15	min
20°C <sup>3</sup>	14 to 16	min
NOTE		
1.	168 h	
2.	500 g	
3.	100 g	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

