

Basis	2-components-epoxy resin
Resin	LH 26 Resin
Hardener	LH 26 Hardener
Colour	brown transparent

Applications

- Vacuum infusion
- Mould constructions

Properties

- high heat resistance
- low viscosity
- good wet-out characteristics
- heat curing

Processing data

Product		Mixture LH 26 / Resin + Hardener	Resin LH 26 Resin	Hardener LH 26 Hardener
Colour		brown transparent	yellow transparent	brown transparent
Mixing ratio	p. b. w.		100	27
Viscosity at 25°C	mPas	400 ± 100	1100 ± 250	40 ± 10
Density at 20°C	g / cm ³	1,11 ± 0,02	1,16 ± 0,02	0,95 ± 0,02
Pot life 200 g / 20°C	min.	120 - 150	-	-
	-	10 - 16	-	-
Post curing	Time in h/ Temperature in °C	4/40; 6/60; 6/80; 2/100; 2/120; 2/150; 4/180	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	130 ± 10
Flexural strength at breakage	EN ISO 178	%	7,8 ± 0,5
Flexural modulus	EN ISO 178	MPa	3050 ± 20
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	35 ± 7
Compressive strength	EN ISO 604	MPa	105 ± 10
Heat resistance (HDT)	DIN EN ISO 75 B	°C	147 ± 2
Glass transition temperature TG	methode DSC	°C	ca. 150
Shore hardness	DIN 53505	Shore D	87 ± 2

Sales units (packages)

Units	resin	LH 26 Resin	5,000 kg / 25,000 kg / 220,000 kg
	hardener	LH 26 Hardener	1,500 kg / 5,000 kg / 25,000 kg

Processing instructions

The material and processing temperature should be between 18 and 25°C. Resin and hardener should be accurately mixed at room temperature, possibly without formation of air bubbles.

The resin-hardener system LH 26 can be demoulded after a post-curing of 10-16 hours at 40°C. A gradual tempering until 150°C is necessary. The ideal increase is of about 10°C/hour. For complex geometries we recommend the use of a supporting mould! The rate of cooling should ideally be of about 20°C/hour.

In General

24 hRT+6h60+6h80 +2h100+2h120+2h150+4h180°C: HDT Iso 75B 147 ± 3°C; Tg 150°C
 24 hRT+6h60+6h80 +2h100+2h120+2h150°C: HDT Iso 75B 139 ± 3°C; Tg 139°C
 24 hRT+6h60+6h80 +2h100+2h120+4h150°C: HDT Iso 75B 141 ± 3°C; Tg 143°C
 24 hRT+6h60+6h80 +2h100+2h120+8h150°C: HDT Iso 75B 145 ± 3°C; Tg 145°C

Storing

In tempered rooms 18-25°C

Crystallisation of the resin LH 26 due to inappropriate storage conditions can be removed through heating of the material at about 60°C.

The hardener LH 26 is subject to variations in colour due to the raw materials and tends to darken.

Open containers must always be hermetically closed, avoiding humidity, and the material should be consumed in a short time. The shelf life of the products is indicated on the labels.

Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. Please follow safety advices !

Waste Disposal

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste.

Non-cured products are waste which is subject to inspection and has to be disposed accordingly.

In case of further questions please do not hesitate to contact our Department for Product Safety.

The instructions and recommendations are given in good faith and are based on long experience and careful tests. Since the conditions of use are beyond our control, and due to versatility of applications and working methods, we can't give any guarantee. All information are non-binding and are no guarantee for special characteristics or properties of the product. Despite information given from **ebalta** the customer has to make his own tests regarding applications and processing. If any special warranty is requested, written agreement on this subject is essential.

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