

NEUKADUR LH 90

| | | |
|------------------------------|---|-----------------------|
| Description | NEUKADUR LH 90 is an filled laminating system based on epoxy resin. Together with NEUKADUR hardener LH 90 or LH 92 the reaction compound has a weak odour with slight thixotropic properties. The advantages are: easy handling, favourable impregnating properties, low shrinkage. | |
| Mixing ratio | 100 p.b.w. NEUKADUR LH 90 25 p.b.w. NEUKADUR hardener LH 90 or 20 p.b.w. NEUKADUR hardener LH 92 | |
| Fields of application | Laminates with low shrinkage and high accuracy in gauge as well as high dimensional stability. | |
| Processing | The resin component is to be stirred thoroughly before use. A careful and intensive intermix of the hardener and resin will reduce the amount of entrapped air and will give a more favourable wetting. | |
| Pot-life | The pot-life depends to the temperature. At 20°C a quantity of 1 kg has a pot-life of approx 30 minutes with hardener LH 90 and approx 50 minutes with hardener LH 92. | |
| Availability | NEUKADUR LH 90 | 25 kg hobbock |
| | NEUKADUR hardener LH 90 | 25 kg can 9 kg can |
| | NEUKADUR hardener LH 92 | 25 kg can 9 kg can |
| Shelf-life | Shelf-life at RT (18 - 25 °C) and in closed original drums approx 1 year. | |

**NEUKADUR
LH 90****NEUKADUR
hardener LH 90****NEUKADUR
hardener LH 92****Properties of the components**

| | | | |
|---------------------------|---------------|--------------------|--------------------|
| Colour | white | blue or colourless | blue or colourless |
| Density g/cm ³ | approx. 1,4 | approx. 0,95 | approx. 0,95 |
| Viscosity mPa s (20 °C) | 4.000 - 5.000 | approx. 150 | approx. 150 |

Properties of the mixture

| | | | |
|--------------------------------|------------|---------------|---------------|
| Mixing ratio | 100 p.b.w. | 25 p.b.w. | 20 p.b.w. |
| Mixing viscosity mPa s (20 °C) | | approx. 2.000 | approx. 2.000 |
| Pot-life (20 - 25 °C) | | | |
| 1000 g | minutes | approx. 20-30 | approx. 40-50 |
| Curing time (20 - 25 °C) | hours | 18 - 24 | 18 - 24 |

**Properties of the reaction product
(15 layer glasfilament Type Interklas 92140)**

| | | | | |
|--|-----------|-------------------|----------------|----------------|
| Density | DIN 53479 | g/cm ³ | approx. 1,3 | approx. 1,3 |
| Tensile strength | DIN 53455 | N/mm ² | approx. 300 | approx. 300 |
| Modulus of elasticity | DIN 53457 | N/mm ² | approx. 20.000 | approx. 20.000 |
| Compressive strength | DIN 53454 | N/mm ² | approx. 260 | approx. 260 |
| Flexural strength 20 °C | DIN 53452 | N/mm ² | approx. 400 | approx. 400 |
| 40 °C | DIN 53452 | N/mm ² | approx. 300 | approx. 300 |
| 60 °C | DIN 53452 | N/mm ² | approx. 80 | approx. 80 |
| Linear shrinkage (specimen 500 x 20 x 25) | | mm/m | approx. 0,1 | approx. 0,1 |

Our technical service – in words, in writing or by trials – is given according to the current state of our knowledge. It does however not relieve you from the duty to check by yourselves if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products, you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.