

## NEUKADUR PU Plastotherm 130

**Main Features:** NEUKADUR PU Plastotherm is a 2 component PUR Resin, especially made for the casting of electronic parts. Neukadur PU Plastotherm 130 has a low viscosity and easy to pour by hand. As specialty of the material is its high thermal stability of up to 130°C.

**Mixing Ratio:** 100 p.b.weight NEUKADUR PU Plastotherm 130  
18 p.b. weight NEUKADUR Hardener H 118 VL

**Applications:** Everywhere where electronic parts ore similar are to be poured over.

**Handling:** With 2 component mixing machines, or by hand. It is to be considered that the temperature stability is ensured only after perfect Crosslinking, which is reached after 3 days the earliest.

**Working Time:** approximately 23 Minutes (100g)

<b>Form of delivery:</b>	NEUKADUR PU Plastotherm 130	200kg 5kg
	NAUKADUR Hardener H 118 VL	250kg 1kg

**Storage:** Can be Stored at 18-25°C in tightly closed original containers, for about 6 Months. PU Plastotherm 130 should be mixed thoroughly before use. Close containers tightly after use.

NEUKADUR Plastotherm 130	NEUKADUR PU Hardener H118 VL
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### Properties in the non-crosslinked state

Color	White	Brown
Density g/cm <sup>3</sup>	ca. 1,20	ca. 1,2
Viscosity (20 °C) mPa.s	ca. 3900	ca. 200

### Properties of the mixture

Mixing ratio	100 p.b.w.	18 p.b.w.
Mixing Viscosity (20 °C) mPa.s		approx. 3000
Potlife (20 °C) 100 g		approx. 23 min
Demoulding Time, depending on thickness		approx. 120 min
Hardening Time (20 °C)		8 – 10 Hours

### Properties of the finished product

Shore A-Hardness (24 d RT) DIN 53505 ( 7 d RT)	65 points 75 points
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### Electrical Values

Resistence		GΩ 13
Breakdown Voltage	3 mm kV	57,6
Permittivity	800 Hz ε <sub>r</sub>	6,6
	00 kHz ε <sub>r</sub>	5,0
Dissipation Factor	800 Hz δ	0,073
	100 kHz δ	0,103

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