P 22 / P 22

ebalta

Basis	**Modelling paste**
Resin	**P 22**
Hardener	**P 22**
Colour	red brown

Applications

- In the automotive field
- Aircraft construction
- Industrial design

Properties

- good manual modelling
- dimensionally accurate
- very well workable
- long processing time

Processing data

Product		Mixture P 22 / P 22	Resin P 22	Hardener P 22
Colour		red brown	white	brown
Mixing ratio	p. b. w.		**100**	**100**
Viscosity at 25°C	mPas	pasty	pasty	pasty
Density at 20°C	g / cm^3	0,50 ± 0,03	0,50 ± 0,03	0,50 ± 0,03
Pot life 200 g / 20°C	min.	40 - 50	-	-
Curing time at RT	hrs.	13 - 15	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	11 ± 0,8
Flexural elongation at break	EN ISO 178	%	1,04 ± 0,05
Flexural modulus	EN ISO 178	MPa	1279 ± 150
Impact resistance (Charpy)	EN ISO 179	kJ/m^2	1,25 ± 0,15
Compressive strength	EN ISO 604	MPa	15,8 ± 0,5
Heat resistance (Martens)	DIN 53458	°C	35 ± 2
Glass transition temperature TG	TMA	°C	-
Shore hardness	DIN ISO 7619-1	Shore D	45 ± 2
coefficient of thermal expansion	internal test / Dilatometer	10^{-6}K^{-1}	ca. 40
Linear shrinkage	internal	%	-

Sales units (packages)

Units	Resin	P 22	2,500 kg / 10,000 kg
	Hardener	P 22	2,500 kg / 10,000 kg

---

tooling resins . **blocks** . **auxiliaries** . **silicones**

Processing instructions

Although the good miscibility, the mixing of the resin paste with the hardener should be made in a mechanical kneader, until a uniform consistency is resulted. Smaller quantities of 2-3 kg can be mixed by hand. This is very easy, when both components are kneaded together like a dough.

The mixture of both components does not stick to the hands and is therefore very good mouldable relating to design. Mixing container, stirrer and hands can be easily cleaned with water. For a good adhesion on subsoil, e.g. wood or Polyurethane boards, we recommend to apply first the coupling paste KP6/TGL or a general purpose resin. **ebalta** P 22 can be applied in one step in a thickness of 30 - 40 mm.

In General

ebalta P 22 is a very good mouldable two-component-epoxy model paste, which can be easily processed without damaging the mould and without considerable dust after curing at room temperature. Due to its dense structure, modelling properties and the smooth consistency it is very suitable for the production of master models.
The dense structure of the finish does not absorb moisture, which makes the master models dimensionally stable.

Depending on coating thickness, mechanical treatment after 24-36 hrs.

Storing

At appropriate storage 18-25°C.

Occuring crystallization due to disadvantageous storage conditions can be made return by warming up the material at approx. 60° C.
Opened containers should be closed immediately after use and be protected against moisture. This material should be used up within 4 weeks.

Information about the expiration date you find on the sales packages.

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.

tooling resins	.	blocks	.	auxiliaries	.	silicones