Technical Datasheet

KP 6 / TGL

Basis	**Temperature resistant coupling paste**
Resin	**KP 6**
Hardener	**TGL**
Colour	grey

Applications

- Couplingpaste EP resin / backfilling

Properties

- aluminium filled
- heat resistant

Processing data

Product		**Mixture KP 6 / TGL**	**Resin KP 6**	**Hardener TGL**
Colour		grey	grey	yellow transparent
Mixing ratio	**p. b. w.**		**100**	**18**
Viscosity at 25°C	mPas	thixotrope	thixotrope	100 ± 20
Density at 20°C	g / cm^3	1,3 ± 0,05	-	0,96 ± 0,01
Pot life 200 g / 20°C	min.	30 - 40	-	-
Curing time at RT	hrs.	8 - 12	-	-
Post curing	Time in h/ Temperature in °C	-	-	-

Physical data

Properties	**Inspect. requirem.**	**Unit**	**Value**
Flexural strength	EN ISO 178	MPa	-
Flexural modulus	EN ISO 178	MPa	-
Flexural strength at breakage	EN ISO 178	%	-
Compressive strength	EN ISO 604	MPa	-
Impact resistance (Charpy)	EN ISO 179	kJ/m^2	-
Heat resistance (Martens)	DIN 53458	°C	-
Shore hardness	DIN 53505	Shore D	-
Coefficient of linear expansion	DIN 53752	$10^{-6}K^{-1}$	-

Sales units (packages)

Packing size	A-Pack	KP 6 / TGL	Resin 12 x 0,200 kg / Hardener 12 x 0,036 kg = 2,832 kg
Units	Resin	KP 6	3,000 kg
	Hardener	TGL	2,500 kg / 5,000 kg

Processing instructions

The coupling paste is applied in a 1 mm layer on the gelled but still sticky surface.

In General

ebalta KP 6 is an aluminium powder-filled coupling paste, precuring at room temperature.
For reasons of better bonding and more strength, we added some chopped strand pieces.
In general KP 6 is used as coupling paste for gel coats with backfillings. This way with KP 6/TGL polyurethane gel coats can be bonded well with the epoxy gelcoat rear construction.
The good heat resistance , reached after one-step postcuring for 10-12 hrs. at about 50-80°C,
allows applications for heat exposure mouldings, like vacuum- and foaming moulds.

Storing

Storage at room temperature (18-25 °C) in closed original container 12 months.

Any crystalliziation occuring under unfavourable storage conditions, can be neutralized by heating the material up to 60°C .
Close open containers after use, keep away from moisture and use up immediately.

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.

ebalta UK Limited . B2 Langham Park, Trent Lane . Castle Donington . Derbyshire DE74 2UT
t: +44 1332 814700 . **f**: +44 1332 814775 . **e**: info@**ebalta**.co.uk . **w**: www.**ebalta**.co.uk