TECHNICAL DATA SHEET

PEROXAN BP PASTE 50 PF

DESCRIPTION

Dibenzoyl peroxide
50 %, Paste with stabilizing agent

PEROXAN BP-Paste 50 PF is used for the curing of unsaturated polyester resins at ambient temperature in combination with amine accelerators.
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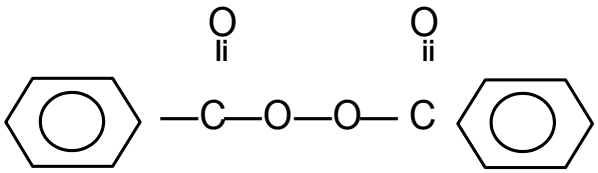

Molecular weight (active substance)	242,2
CAS No. (active substance)	94-36-0

TECHNICAL DATA

Appearance	white paste
Peroxide assay	ca. 50 %
Active oxygen	ca. 3,30 %
Density at 20 °C	1,17g /cm³

SOLUBILITY

Insoluble in water

STORAGE

Maximum storage temperature ($T_{s\ max}$)	30 °C
Minimum storage temperature ($T_{s\ min}$)	5 °C
Storage stability as from date of	6 months

Keep packaging tightly closed in a well ventilated place at indicated storage temperature. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Never weigh out in storage room.

HAZARDOUS REACTIONS

Oxidizing agent. Decomposes violently under the influence of heat or by contact with reducing agent.
Never mix with accelerators.

SAFETY CHARACTERISTICS

Flash point	above the SADT*
SADT*	50 °C

* SADT = Self Accelerating Decomposition Temperature

PACKAGING

25 kg Pail, smaller package sizes - e.g. cartridges and tubes - available upon request

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MAJOR DECOMPOSITION PRODUCTS Carbon dioxide, benzene, benzoic acid, diphenyl, phenyl benzoate

APPLICATION

PEROXAN BP-Paste 50 PF is a paste without phthalate used for the curing of unsaturated polyester resins at ambient temperature in combination with a tertiary amine accelerator. **PEROXAN BP-Paste 50 PF** has been developed for the curing of putties, e.g. for car repair kits.
PEROXAN BP-Paste 50 PF shows excellent chemical and physical stability and is therefore very suitable for cartridge and tube filling.

The rheological behavior of **PEROXAN BP-Paste 50 PF** is that of a thixotropic long paste with a tendency of tailing. **PEROXAN BP-Paste 50** PF is available in different colours.

The curing system **PEROXAN BP-Paste 50 PF** in combination with an amine accelerator shows a very fast cure that is hardly influenced by humidity and fillers. Even at low temperatures a relatively good cure will be obtained. A disadvantage may be the yellow colour and poor light resistance of the moulded product.

For ambient temperature curing the following amine accelerators are available to adjust the gel time and speed of cure of the cure system based on **PEROXAN BP-Paste 50 PF**:

PERGAQUICK A100 (N,N-Dimethyl-p-toluidine) for short gel times
PERGAQUICK A150 (N,N-Di-(2-hydroxy-ethyl)-p-toluidine) for short to medium gel times
PERGAQUICK A200 (N,N-Dimethylaniline) for medium gel times
PERGAQUICK A300 (N,N-Diethylaniline) for long gel times

Depending on working conditions the following peroxide and accelerator dosage levels are recommended:

PEROXAN BP-Paste 50 PF	2 to 5 phr
Amine accelerator:	0,05 to 0,5 phr

SAFETY AND HANDLING Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of **PEROXAN BP-Paste 50 PF**.

06/2016

All information is given, based upon our best knowledge, but without liability to us. Data has been obtained by laboratory experiments made by our supplier. Since the condition under which the product is consumed is outside of our control, the product should be tested before use.

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