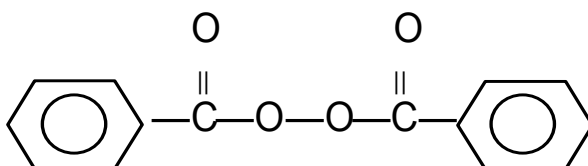

PEROXAN BP-40 LS

Thermoset Curing
Diacyl peroxides

Description: Dibenzoyl peroxide
40% , Suspension in plasticizer

PEROXAN BP-40 LS is used for the curing of unsaturated polyester resins at ambient temperature in combination with amine accelerators.



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

Technical data: Appearance: white suspension
Peroxide assay: ca. 40%
Active oxygen assay: ca. 2,64%
Density at 20°C: 1,20 g/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 delivery: 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*: 60°C

Packaging: 30 kg Pail

Major decomposition products: Carbon dioxide, benzene, benzoic acid, diphenyl, phenyl benzoate

* SADT = Self Accelerating Decomposition Temperature

PEROXAN BP-40 LS

Thermoset Curing
Diacyl peroxides

Application:

PEROXAN BP-40 LS is used for the curing of unsaturated polyester resins at ambient temperature in combination with a tertiary amine accelerator.

PEROXAN BP-40 LS is easy to handle, easy to disperse and dissolves quickly in unsaturated polyester. Moreover, PEROXAN BP-40 LS is suitable for continuous metering using automatic dosing equipment.

The curing system PEROXAN BP-40 LS 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-40 LS:

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-40 LS:	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-40 LS. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at www.pergan.com or through contacting Pergan directly.

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