

PEROXAN DC-P

Dialkyl peroxide / Curing

DescriptionDicumyl peroxide 98%, Powder

PEROXAN DC-P is used for the curing of unsaturated polyester resins.

 Molecular weight:
 270.4

 CAS No.:
 80-43-3

Technical data Appearance: white powder

Peroxide assay: min. 98%
Active oxygen assay: min. 5.8%
Bulk density at 20°C: 430 kg/m³
Density at 20°C: 0.51 g/cm³

Solubility Insoluble in water, Soluble in aromatic and aliphatic solvents

Storage Maximum storage temperature (Ts max): 30°C

Storage stability as from date of delivery: 6 months

Hazardous reactions

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 coaps)

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Never weigh out in storage room.

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

with accelerators.

Organic Peroxides are more or less stable products but will decompose under the influence of heat. To minimize a loss of quality during storage, it is important that the recommended maximum storage temperature is not exceeded. If a minimum storage temperature is given, an undesirable process such as a solidification or phase

separation, is known to occur below this temperature.

Safety characteristics Flash point: >SADT°C

SADT: 80°C

The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.





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Application PEROXAN DC-P is used for the curing of unsaturated polyester resins at elevated temperatures.

> PEROXAN DC-P is preferred for the curing of UP resin based hot press moulding formulations in the temperature range from 130° to 170°C. It is specially suitable for GMC; as a solid it ensures good homogenization in the compound.

The stability of this Dialkyl peroxide in an UP resin is hardly influenced by the presence of metal

accelerators, pigments or fillers.

Depending on working conditions, the following peroxide dosage level is recommended:

PEROXAN DC-P: 1,0 to 2,0 phr

Packaging 20kg cardboard box

Major decomposition products 2-Phenylpropanol-2, acetophenone, Methane,

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling Safety and handling of PEROXAN DC-P. 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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