

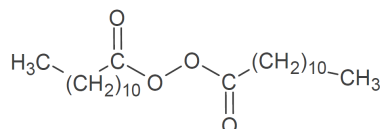
PEROXAN LP fein

Diacyl peroxides / Curing

Description

Dilauroyl peroxide
98%, Powder

PEROXAN LP fein is used for the curing of highly filled methacrylic resins, typically in combination with other peroxides of different reactivity.



Molecular weight: **398.6**
CAS No.: **105-74-8**

Technical data

Appearance: **white powder**
Peroxide assay: **min. 98%**
Active oxygen assay: **min. 3.97%**
Bulk density at 20°C: **400 kg/m³**

Solubility

Insoluble in water

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 soaps). 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.

Safety characteristics

SADT: **50°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 LP fein is used for the curing of highly filled methacrylic resins, typically in combination with other curing agents of different reactivity, e.g. PEROXAN BCC and PEROXAN PB.

PEROXAN LP fein shows a good reactivity at elevated temperature in combination with a long pot life at ambient temperature. PEROXAN LP fein in combination with t-Butylperoxy benzoate (PEROXAN PB) ensures a good final cure. Both are typically used as back end peroxides in combination with Di(4-tert-butylcyclohexyl)peroxydicarbonate (PEROXAN BCC), which is used as a kicker peroxide due to its low activation temperature.

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

PEROXAN LP fein as such: 1,0 to 2,0 phr

PEROXAN LP fein as back end peroxide: 0,5 to 1,0 phr

Packaging

20kg cardboard box

Major decomposition products

Docosane, Carbon dioxide, Undecane, Undecyl dodecanoate

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN LP fein. 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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