

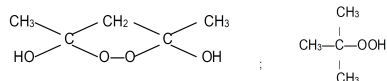
PEROXAN A-50 M

Ketone peroxide / Curing

Description

Mixture of Acetylacetone peroxide and tert-Butyl hydroperoxide
Solution in diacetone alcohol

PEROXAN A-50 M is used for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerators.



CAS No.:

37187-22-7; 75-91-2

Technical data

Appearance:

clear liquid

Active oxygen assay:

appx. 5.2%

Density at 20°C:

1.07 g/cm³

Solubility

Partly soluble in water, soluble in phthalates

Storage

Maximum storage temperature (Ts max):

25°C

Minimum storage temperature (Ts min):

5°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

Flash point:

58°C

SADT:

60°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 A-50 M is used for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerators.

PEROXAN A-50 M has been developed for the cure of thick GRP or polymer concrete parts. In comparison to PEROXAN ME-50 L and PEROXAN A-40 L, PEROXAN A-50 M shows a lower peak exotherm in these applications.

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

PEROXAN A-50 M: 1,0 to 3,0 phr
PERGAQUICK C12 X (Cobalt 1%): 0,5 to 2,0 phr

Packaging

25kg container

Major decomposition products

acetylacetone, Carbon dioxide, mixture of aliphatic acids, tert-Butanol, Water

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN A-50 M. 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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