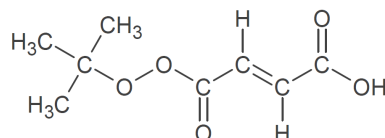


PEROXAN PM-25 S

Peroxyester / Curing

Description

tert-Butyl peroxy maleate
25%, Suspension with plasticizer
PEROXAN PM-25 S is used for the curing of MMA resins.



CAS No.: 1931-62-0

Technical data

Appearance: **white suspension**
Active oxygen assay: **appx. 2.13%**
Density at 20°C: **1.2 g/cm³**

Solubility

Insoluble in water, soluble in various organic 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 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: **>SADT°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 PM-25 S is used for the ambient temperature curing of MMA resins.

Without the addition of an accelerator, the cure of the acrylic resin starts only above the activation temperature of 90°C.

For the cure at ambient temperature, PEROXAN PM-25 S must be accelerated with a combination of special accelerators.

Together with the accelerator PERGAQUICK CA and PROMOTOR MA, a reasonable geltime is obtained with a fast cure at ambient temperature.

The most important advantage of a cure system based on PEROXAN PM-25 S is the absence of yellow discolouration and a lower residual monomer content compared to results obtained with a BPO/amine curing system.

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

PEROXAN PM-25 S: 2,0 to 5,0 phr

PERGAQUICK CA: 0,3 to 1,5 phr

PROMOTOR MA: 0,1 to 0,5 phr

Packaging

25kg container

Major decomposition products

Unknown

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN PM-25 S. 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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