

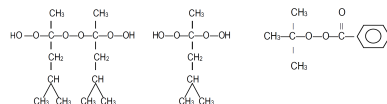
PEROXAN MI-60 KPX

Ketone peroxide / Curing

Description

Mixture of Methyl isobutyl ketone peroxide and tert-Butyl peroxy benzoate
Solution in TXIB

PEROXAN MI-60 KPX is used for the curing of unsaturated polyester resins as such or in presence of a cobalt accelerator in the temperature range of 60° to 120°C.



CAS No.:

37206-20-5; 614-45-9

Technical data

Appearance:

clear liquid

Active oxygen assay:

appx. 8.65%

Density at 20°C:

1 g/cm³

Solubility

Insoluble 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:

59°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 MI-60 KPX is used for the curing of unsaturated polyester resins as such or in presence of a cobalt accelerator in the temperature range of 60° to 120°C.

PEROXAN MI-60 KPX can be used in combination with a cobalt accelerator for those applications where a fast cure at higher temperatures e.g. 60° to 120°C is required. Applications can be filament winding and production of flat and corrugated sheets. PEROXAN MI-60 KPX has been developed to help further decrease the residual styrene content in final parts.

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

PEROXAN MI-60 KPX: 1,0 to 3,0 phr

PERGAQUICK C12 X (Cobalt, 1%): 0,5 to 3,0 phr

Packaging

25kg container

Major decomposition products

Acetone, Benzoic acid, Benzene, Carbon dioxide, Carbon monoxide, Mixture of aliphatic acids and ketones, 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 MI-60 KPX. 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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