

PEROXAN PK295 S1-V

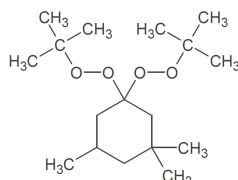
Peroxyketale / Curing

Description

Mixture of 1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane and tert-Butyl peroxy-2-ethylhexanoate

Solution in odorless white spirits

PEROXAN PK295 S1-V is used for the curing of unsaturated polyester resins.



CAS No.:

6731-36-8; 3006-82-4

Technical data

Appearance:

clear liquid

Active oxygen assay:

appx. 5.96%

Density at 20°C:

0.84 g/cm³

Solubility

Insoluble in water, soluble in aliphatics

Storage

Maximum storage temperature (Ts max):

25°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:

50°C

Emergency temperature:

45°C

Control temperature:

40°C

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

The emergency temperature is derived from the SADT. It is the temperature at which emergency actions have to be taken. The control temperature is the maximum temperature at which the product can be transported safely.

PEROXAN PK295 S1-V

Peroxyketale / Curing

Application

PEROXAN PK295 S1-V is used for the curing of unsaturated polyester resins at elevated temperatures.

PEROXAN PK295 S1-V is preferred for the curing of UP resin based hot press moulding formulations in the temperature range from 100° to 130°C.

PEROXAN PK295 S1-V is more active than PEROXAN PK295 V and therefore preferred for transfer moulding and in pultrusion processes at a temperature of 120°C.

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

PEROXAN PK295 S1-V: 1,0 to 3,0 phr

Packaging

25kg container

Major decomposition products

3,3,5-Trimethylcyclohexanone, 3-tert-Butoxyheptane, Acetone, Heptane, Carbon dioxide, Methane, tert-Butanol

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PEROXAN PK295 S1-V. 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.

The information presented herein is true and accurate and to the best of our knowledge, but without any guarantee. Since the conditions of use are beyond our control we disclaim any liability, including for patent infringement, incurred in connection with the use of these products, data or suggestions.