

# PEROXAN PB-75

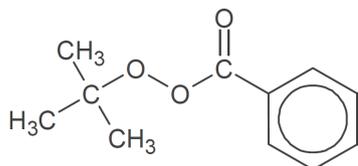
## Peroxyester / Curing

### Description

tert-Butyl peroxybenzoate

75%, Solution in odorless white spirits

PEROXAN PB-75 is used for the curing of unsaturated polyester resins.



CAS No.:

**614-45-9**

### Technical data

Appearance:

**clear yellowish liquid**

Active oxygen assay:

**appx. 6.18%**

Density at 20°C:

**0.96 g/cm<sup>3</sup>**

### Solubility

Insoluble in water, Soluble in phthalates

### Storage

Maximum storage temperature (Ts max):

**30°C**

Minimum storage temperature (Ts min):

**0°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:

**55°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 PB-75 is used for the curing of unsaturated polyester resins at high temperatures.

PEROXAN PB-75 is often times used in combination with a high reactive peroxide like PEROXAN BCC or PEROXAN MI-60 K as kicker in in formulations für pultrusion processes in the temperature range of 100° to 140°C.

In combination with a cobalt accelerator e.g. PERGAQUICK C100 (10% cobalt), PEROXAN PB-75 is applicable for the cure of UP resins in the temperature range of 70°C and higher.

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

PEROXAN PB: 1,3 to 2,3 phr  
PERGAQUICK C100 0,1 to 0,6 phr

### Packaging

**25kg container**

### Major decomposition products

**Acetone, Benzoic acid, Benzene, 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 PB-75. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at [www.pergan.com](http://www.pergan.com) or through contacting Pergan directly.

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