

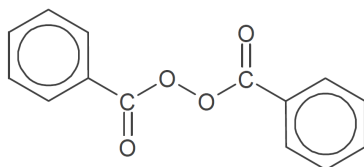
PEROXAN BP-25 WD

Diacyl peroxides / Polymerization

Description

Dibenzoylperoxide
75%, Powder, water damped

PEROXAN BP-25 WD is used for the (co)polymerization of styrene, acrylonitrile, vinylacetate, acrylates and methacrylates.



Molecular weight: **242.2**
CAS No.: **94-36-0**

Technical data

Appearance: **white powder**
Peroxide assay: **appx. 75%**
Active oxygen assay: **appx. 4.95%**
Bulk density at 20°C: **630 kg/m³**

Half life time

in chlorobenzene:

| $t_{1/2}$ | 10h | 1h | 1min |
|-----------|-------------|-------------|--------------|
| bei | 71°C | 91°C | 132°C |

Storage

Maximum storage temperature (Ts max): **30°C**
Minimum storage temperature (Ts min): **5°C**
Storage stability as from date of delivery: **6 months**

Hazardous reactions

Organic Peroxides are more or less stable products but will decompose under the influence of heat. To minimize a loss of quality during storage, it is important that the recommended maximum storage temperature is not exceeded. If a minimum storage temperature is given, an undesirable process such as a solidification or phase separation, is known to occur below this temperature.

Safety characteristics

SADT: **80°C**

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

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Application

Polymerization of styrene:

PEROXAN BP-25 WD may be used in polymerization of monostyrene in suspension.

Temperature range: 80 to 100°C

Dosing: 0,1 to 0,5 phr

Polymerization of acrylates and methacrylates:

PEROXAN BP-25 WD can be used as initiator for the solution, bulk and suspension (co)polymerization of acrylates and methacrylates. After dissolving in the monomer, the aqueous phase of the peroxide may be separated.

Temperature range: 65 to 100°C

Dosing: 0,1 to 0,3 phr

Other applications:

PEROXAN BP-25 WD may also be used for the (co)polymerization of acrylonitrile, vinylacetate and allyl monomers.

Packaging

26.7kg cardboard box (4 bags of 6.7 kg each)

Major decomposition products

Benzoic acid, Benzene, Carbon dioxide

Safety and handling

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