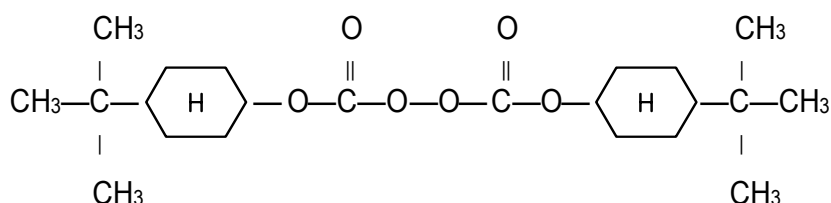


PEROXAN BCC

High Polymers
Peroxydicarbonates

Description: Di-(4-tert-butyl-cyclohexyl)-peroxydicarbonate
95% , Powder

PEROXAN BCC is used for the (co)polymerization of vinylchloride, vinylidenechloride, acrylates and methacrylates.



Molecular weight: 398,5
CAS No.: 15520-11-3

Technical data: Appearance: white powder
Peroxide assay: min. 95%
Active oxygen assay: min. 3,80%
Bulk density at 10°C: 400 kg/m³

Half life time: in chlorobenzene

$t_{1/2}$	10h	1 h	1 min
at	48°C	64°C	98°C

Storage: Maximum storage temperature ($T_{s,max}$): 15°C
Storage stability as from date of delivery: 3 months

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.

Thermal stability: SADT: 40°C
Emergency temperature (T_{em}): 35°C
Control temperature (T_c): 30°C

The SADT 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.

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Application:

Polymerization of vinylchloride:

PEROXAN BCC may be used in polymerization and copolymerization of vinylchloride in mass or suspension processes, usually in combination with other peroxides of varying degrees of activity to increase reactor efficiency.

Temperature range: 40 to 65°C

Dosing: 0,02 to 0,1 phr

Polymerization of acrylates and methacrylates:

PEROXAN BCC can be used as initiator for the mass polymerization of acrylates and methacrylates.

Temperature range: 40 to 70°C

Dosing: 0,02 to 0,1 phr

Other applications:

PEROXAN BCC may also be used for the (co)polymerization of vinylidenechloride.

Packaging:

20 kg Cardboard box

Major decomposition products:

Carbon dioxide, 4-tert-Butylcyclohexanol

Safety and handling:

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