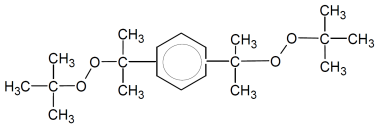
PEROXAN BIB-1

Dialkyl peroxide / Polymerization

Description

Di-(2-tert.-butyl-peroxyisopropyl)-benzene
95%, Powder

PEROXAN BIB-1 is used for the production of controlled rheology polypropylene (CR-PP).



Molecular weight:	**338.5**
CAS No.:	**25155-25-3**

Technical data

Appearance:	**white powder**
Peroxide assay:	**min. 95%**
Active oxygen assay:	**min. 8.98%**
Bulk density at 20°C:	**561 kg/m³**

Half life time

in chlorobenzene:

$t_{½}$	10h	1h	1min
bei	**114°C**	**134°C**	**174°C**

Solubility

Insoluble in water, Soluble in aromatic and aliphatic solvents, ketones

Storage

Maximum storage temperature (Ts max):	**30°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.

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

Flash point:	>SADT°C
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	Controlled rheology polypropylene (CR-PP) in an extrusion process: PEROXAN BIB-1 allows great flexibility in controlling the melt flow index (MFI) of polypropylene. Small changes in either peroxide concentration or process temperature can produce significantly different MFIs. The MFI increases with the peroxide level. Temperature range: 200 to 250°C Dosing: 0,01 to 0,1 phr
Packaging	**20kg cardboard box**
Major decomposition products	**Acetone, Acetyl-2-hydroxyisopropylbenzene, Di(2-hydroxyisopropyl)benzene, Diacetylbenzene, 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 BIB-1. 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.

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