

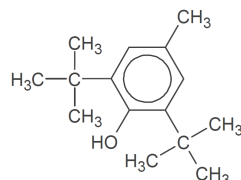
PERGASLOW PK-100

Inhibitors / Curing

Description

2,6-Di-tert.-butyl-p-kresol
98%, Solid

PERGASLOW PK-100 is used as an inhibitor for increasing gel time of unsaturated polyester resins at ambient temperatures. PERGASLOW PK-100 does not influence cure time.



CAS No.:

128-37-0

Technical data

Appearance:	white crystals
Active substance assay:	min. 98%
Bulk density at 20°C:	700 kg/m³

Solubility

Insoluble in water, soluble in various organic solvents

Storage

Maximum storage temperature (Ts max):	30°C
Minimum storage temperature (Ts min):	0°C
Storage stability as from date of delivery:	6 months

Keep packaging tightly closed in a well ventilated place at indicated storage temperature.

Hazardous reactions

Direct contact with organic peroxides should be avoided because of risk of self-accelerating decomposition of the organic peroxide.

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Application

PERGASLOW PK-100 is used at ambient temperatures for lengthening:

- 1) the shelf life of SMC and BMC at ambient temperature.
- 2) the pot life of a mixture of UP resin / peroxide at ambient temperature.

An advantage of PERGASLOW PK-100 in comparison with for example p-Benzoquinone is that PERGASLOW PK-100 is very effective at ambient temperature but hardly shows any influence on the cure at elevated and high temperature.

The inhibitor should be added to the resin first to create a maximum effect. After proper mixing, the peroxide and the accelerator can be added.

Depending on application area and working conditions, the following inhibitor dosage levels are recommended:

PERGASLOW PK-100: 0,04 to 0,12 phr

Packaging

25kg cardboard box

Major decomposition products

Unknown

Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of PERGASLOW PK-100. 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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