

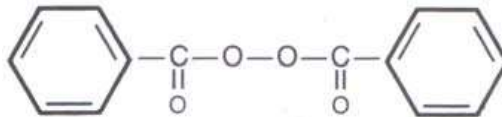
Technical Data Sheet (TDS)

BENOX®L-40LV-EU
Thermosets (TS)

BENOX®L-40LV-EU

Dibenzoylperoxide
CAS#94-36-0
White dispersion

Structural Formula



Description

BENOX®L-40LV-EU is a low viscosity, sprayable dispersion of dibenzoyl peroxide.

BENOX®L-40LV-EU is specifically designed for use in “curing” unsaturated polyester and vinyl ester resins and offers the following advantages:

- Low water content
- Faster gel to peak time than MEKP systems
- Lower exothermic than MEKP systems
- Less “packing” in spray equipment designed / modified for spraying dibenzoyl peroxide dispersions
- More stable and less separation than the common BPO dispersions on the market
- Less viscosity drift

BENOX®L-40LV-EU may also be used as a polymerisation initiator for monomers (e.g. styrene, acrylate, etc.).

Technical Data

| | |
|--|---------------------------|
| Appearance | white dispersion |
| Desensitising agent | phthalate free |
| Assay | ca. 40 % w/w |
| Active oxygen (AO) | ca. 2.64 % w/w |
| Density at 25 °C | ca. 1.1 g/cm ³ |
| Viscosity (Brookfield HBT #4 spindle; 50 rpm; 25 °C) | ca. 1000 mPa.s |
| Critical temperature (SADT) | ca. 50 °C |
| Recommended storage temperature | 0 °C to 25 °C |
| Storage stability as from date of delivery | 12 months |

Standard Packaging

20 kg (45 lb) HDPE canister (blue)

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Application

BENOX®L-40LV-EU is low viscosity dispersion and may separate slightly on standing. It will remix easily and should be stirred immediately prior to use. Continuous stirring during use in spray equipment will maintain a uniform dispersion. BENOX®L-40LV-EU may be flushed from spray equipment using isopropanol, ethanol or acetone followed by soap and water.

The BENOX®L-40LV-EU is very suitable for the cure of road marking paints based on acrylic resins.

To successfully spray BENOX®L-40LV-EU through equipment normally used for MEKP-systems, the catalyst delivery system **must** be modified. Spray equipment suppliers can recommend the proper modifications for their equipment.

Under normal spray equipment operating conditions, BENOX®L-40LV-EU should not be expected to separate and “pack” in the catalyst delivery systems. However, when the system is shut down for long periods of time (i.e., overnight) and there are no provisions to recirculate the BENOX®L-40LV-EU, the catalyst section should be depressurized.

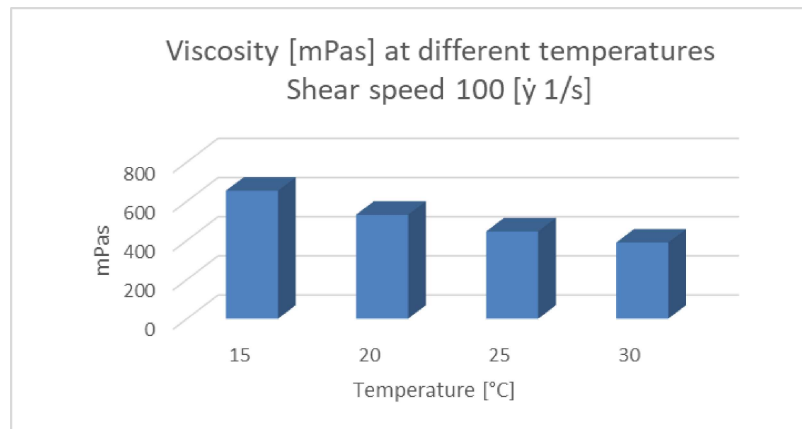
Decomposition Products

Possible detectable decomposition products: benzene, benzoic acid, diphenyl

Storage

Avoid any source of heat, light, humidity and protect the product from impurities. Keep within save temperature limits.

Measurements



Disclaimer:

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