



MIXTURE OF METHYL ETHYL KETONE PEROXIDE

AND CUMENE HYDROPEROXIDE

CAS NUMBER: 80-15-9/1338-23-4

EINECS: 201-254-7/215-661-2

## APPLICATIONS

Luperox® Z KCP E is a blend of MEKP and cumene hydroperoxide especially developed for the cold curing of vinyl ester resin. In association with a cobalt accelerator and without the use of a promoter e.g. dimethylaniline (DMA), Luperox® Z KCP E is well suitable for curing at room temperature of thick parts where slow gelling and curing time are required, with moderate heat evolution. Possible technologies are filament winding, hand lay up, spray up and injection by RTM.

## SPECIFICATIONS

	Unit	Value	Method of Analysis
Physical form	-	Liquid	AM/I/71/A
Active oxygen	% w	8,8 – 9,2	AM/I/25/C

## CARACTERISTICS

	Unit	Value
Density at 20°C	g/ml	1.1085
Viscosity at 20°C	mPa s	15
Flash point (open cup)	°C	62
SADT <sup>(1)</sup>	°C	75
MST <sup>(2)</sup>	°C	30

(1) Self-Accelerating Decomposition Temperature

(2) Maximum Storage Temperature

# LUPEROX® Z KCP E

## DOSAGE

An optimal concentration for use of Luperox® Z KCP E is 2%. If Luperox® Z KCP E is used in conjunction with a cobalt accelerator (1% cobalt solution), optimum addition levels are 1,5 – 3%. Concentrations below 1,5 % of Luperox® Z KCP E are not recommended as this may result in high residual styrene content.

Advantages in using Luperox® Z KCP E as a polymerization initiator in vinyl ester resins based on Bisphenol A or Novolaque are:

- No promoter required,
- Reduced residual styrene content,
- Slow gelling and curing time,
- No micro bubbles in the resin,
- Low exothermic peak (avoids the formation of micro cracks on the surface of thicker laminates)

## STANDARD PACKAGING

25 kg jerrycan.

## SAFETY - HAZARD

Please consult the Safety Data Sheet before using the product.

## STORAGE - HANDLING

Product can be stored minimum three months after receiving date, if kept in appropriate conditions and below its maximum storage temperature. Refer to the Safety Data Sheet for detailed storage instructions.

Please consult the Safety Data Sheet or the brochure « Safe handling of Organic Peroxides ».

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See SDS for Health & Safety Considerations