

## NOROX<sup>®</sup> MEC

Methyl ethyl ketone peroxide/Cyclohexanone Peroxide

CAS#1338-23-4

12262-58-7

Liquid mixture

### Description

Norox<sup>®</sup> MEC is a colorless solution of methyl ethyl ketone peroxide and cyclohexanone peroxide in phlegmatizer. Norox<sup>®</sup> MEC was developed to give excellent cure performance in low and average temperature conditions when used as an initiator with unsaturated polyester resins.

### Technical Data

Active oxygen	9.0 max
Form:	Liquid
Color:	Water white
Specific Gravity @ 25 °C:	1.12
Viscosity @ 25 °C:	18.0 cps
Flash point (SETA C.C.)	170°F / 77°C, min
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water
Maintenance of activity at 30°C as from date of 6 months delivery	

### Application

Norox<sup>®</sup> MEC should be considered for gel and cure initiation for cobalt promoted unsaturated polyester resins at low operating temperatures. Norox<sup>®</sup> MEC will also give good performance at normal temperatures. Other advantages, compared to standard MEKP formulations include:

1. Shorter gel to cure time in many resins.
2. Excellent smoothness and uniformity in the cure cycle.
3. Excellent storage stability because of the absence of impurities (water, hydrogen peroxide, unreacted methyl ethyl ketone and other diluents).
4. Enhanced performance with gel coats. (The hydrophobic nature of Norox<sup>®</sup> MEC provides improved mixing and resin compatibility).

# Technical Data Sheet



RESIN: Ortho Laminating (pre-promoted)

Initiator	Gel Time	Peak Exotherm	Gel to Cure	Barcol Hardness@ 3 hrs.	5hrs.	24 hrs.
Norox® MEKP-9	15.9 min.	328°F	71 min.	5(4)	15(4)	34(4)
Norox® MEKP-925	16.2 min.	336°F	76 min.	5(4)	7(4)	32(4)
Norox® MEC	14.9 min.	330°F	61 min.	6(4)	16(4)	34(4)

Results determined by United SPI laboratory test methods and are to be used for comparison, only.

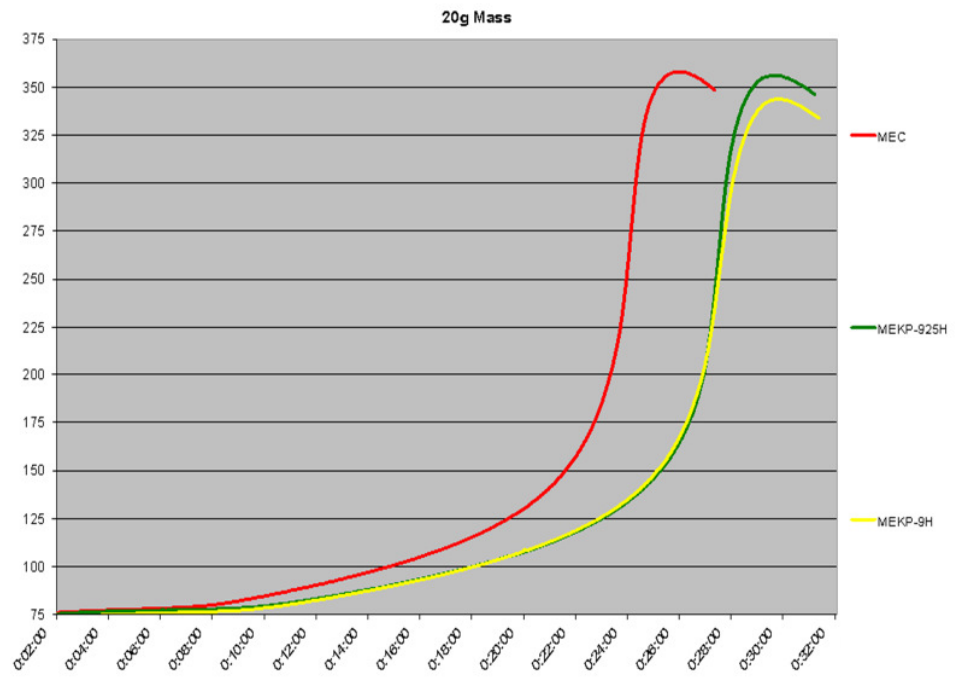
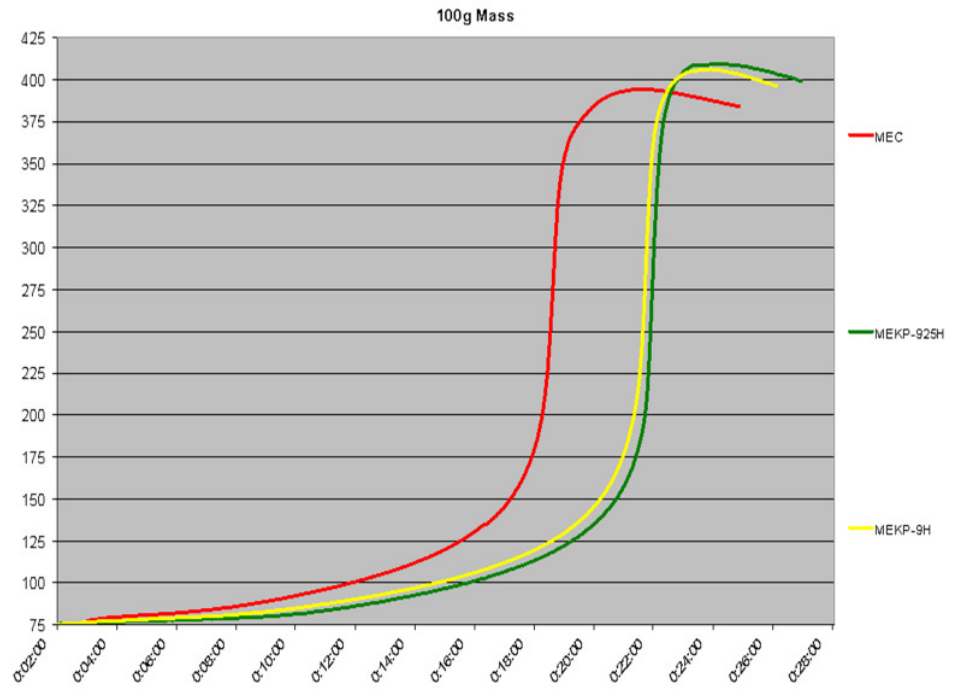
Resin suppliers should be contacted for specific recommendations for individual resins.

Resin: Typical ISO Marble Clear Gel Coat

Initiator Level: 2.0%      Resin Temp: 77°F

Initiator	Gel Time	Peak Temp	Time to Peak	20g Peak	Tack Free	Barcol Hardness@ 3hrs.	5hrs.	24hrs.
Norox® MEKP-9H	13.8 min.	406°F	23.9 min.	344°F	79 min.	35(D)	55(5)	15(4)
Norox® MEKP-925H	13.2 min.	423°F	24.0 min.	356°F	82 min.	15(5)	70(5)	20(4)
Norox® MEC	11.6 min.	394°F	21.5 min.	358°F	75 min.	20(5)	60(5)	20(4)

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## PACKAGING, SHIPPING & AVAILABILITY

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- The standard package sizes of NOROX® MEC are 4x8 lb and 44 lb (20 kg) polyethylene bottles.
- NOROX® MEC is available pre-dyed in 44 lb (20kg) bottles. Please see United Initiators, Inc. TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific NOROX® MEC Safety Data Sheet (SDS) under section 14 & 15, shipping & regulatory information. **NOTE:** SDS's for all United Initiators, Inc. products may be requested by contacting the company.
- NOROX® MEC is available through a global network. Call United Initiators, Inc. for the name of the distributor in your area

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