

Technical Data Sheet

Norox[®] MEC

DESCRIPTION

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

TYPICAL PROPERTIES

Active Oxygen:	9.0% max.
Form:	Liquid
Color:	Water white
Specific Gravity @ 25°/4°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

APPLICATION

Norox[®] MEC should be considered for gel and cure initiation for cobalt promoted unsaturated polyester resins at low operating temperatures. Norox[®] 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[®] MEC provides improved mixing and resin compatibility).

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)

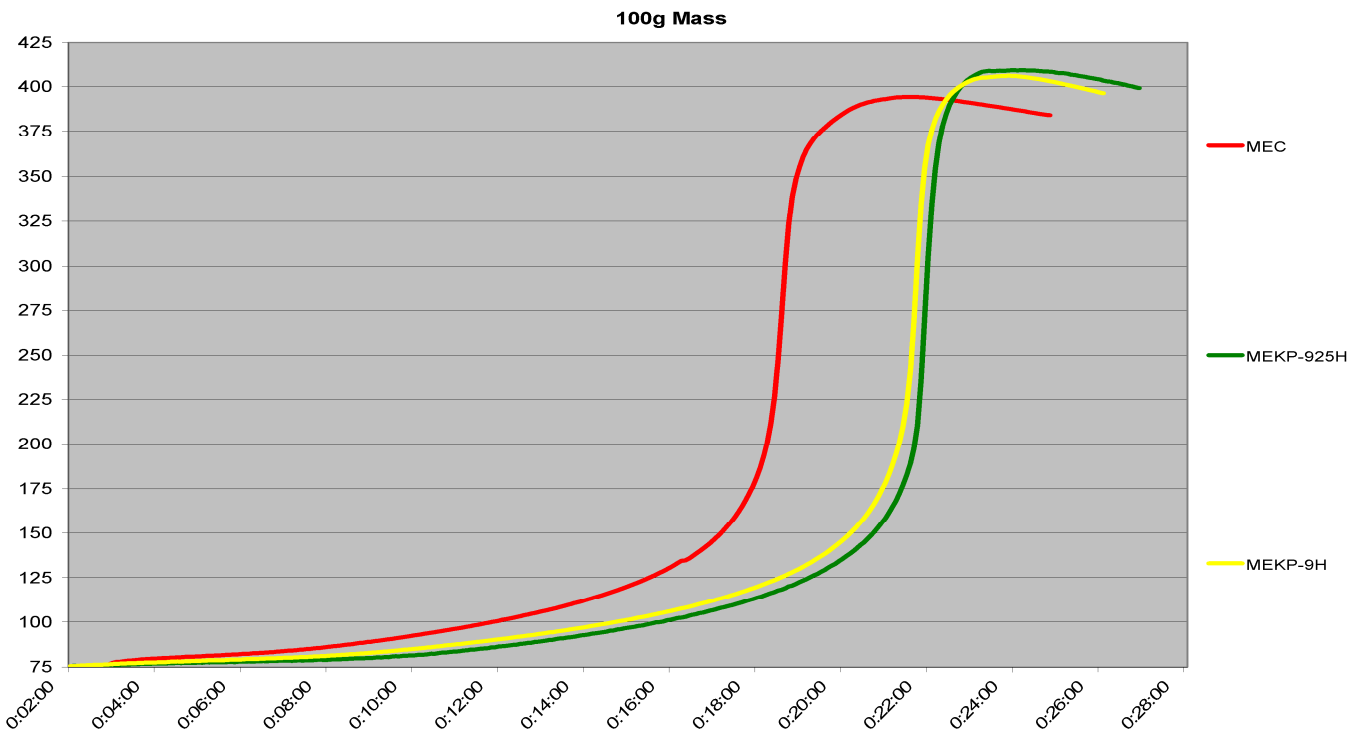
Results determined by United SPI laboratory test methods and are to be used for comparison, only.

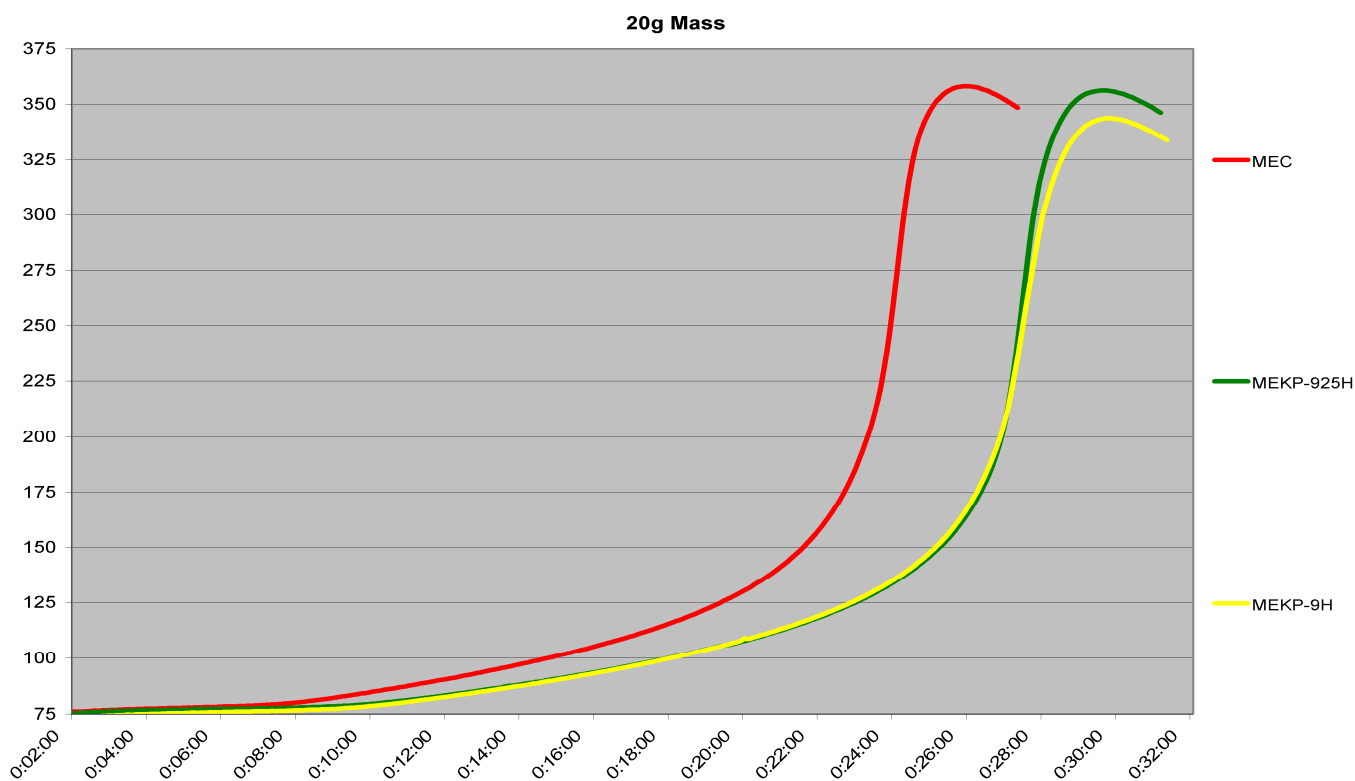
Resin suppliers should be contacted for specific recommendations for individual resins.

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@		
						3 hrs.	5hrs.	24 hrs.
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)





PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of Norox[®] MEC are cases of 4x8 lb. polyethylene bottles; and 44 lb. or 20 kg Hedpacks. For custom package sizes, please contact your local distributor or United Initiators SPI, Inc.
- Classification – Please refer to the specific Norox[®] MEC Safety Data Sheet under section 14, Shipping Description
- Norox[®] MEC is available through a nation-wide distributor network. Call United Initiators SPI, Inc. for the name of the distributor in your area.
- **NOTE:** SDS's for all our products may be requested thru the website www.syrgispi.com

Disclaimer

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