

**Product Name NOROX KP-9**

**Thermoset**

### DESCRIPTION

NOROX KP-9 is a methyl ethyl ketone peroxide in phlegmatizer for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerators.

### TYPICAL PROPERTIES

Active oxygen content:	9.0 - 9.2 %
Free hydrogen peroxide content:	1.6 - 1.8 %
Water content:	1.5 %
Appearance:	Colourless and clear liquid
Density at 20°C:	1.12 - 1.15 g/cm <sup>3</sup>
Viscosity at 20°C:	9 - 15 mPa.s
Flash point:	> 80°C (Method: Seta closed cup)
SADT:	65°C
Soluble in:	Oxygenated organic solvents
Insoluble in:	Water
Storage temperature:	Max 30°C. For maximum shelf life max 25°C

### APPLICATION

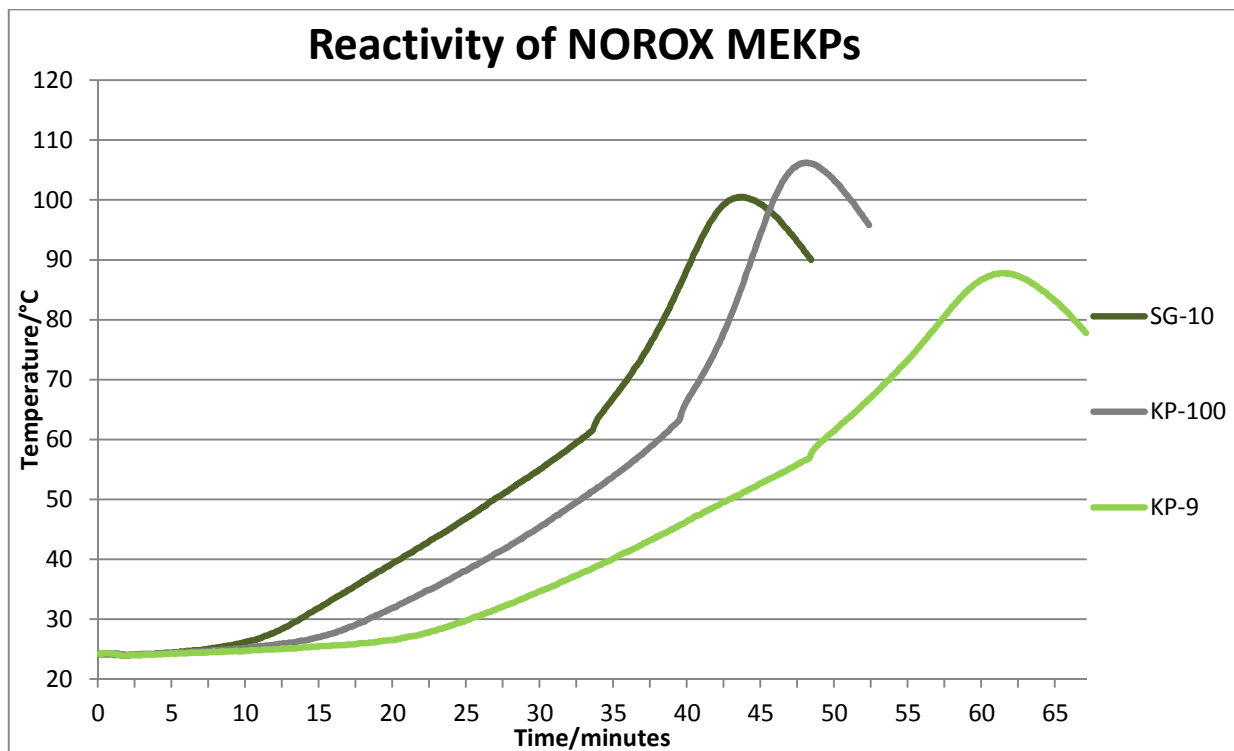
NOROX KP-9 is a general purpose MEKP and is the workhorse of the United Initiators line. NOROX KP-9 gives consistent room temperature performance with both resins and gelcoats. A reliable product of remarkable purity, NOROX KP-9 assures quality in almost every system. Suitable applications are: Hand lay-up, spray-up, RTM, continuous laminating, centrifugal casting, filament winding, polyester concrete and vacuum infusion. A single MEKP initiator formulation cannot provide optimum results in all resin systems. Evaluation of each MEKP in each resin intended for use is absolutely essential before full-scale manufacturing is attempted.

### CURE CHARACTERISTICS

A reactivity test with an unsaturated polyester resin gave the following results:

Resin:	Orthophthalic polyester	Temperature:	25°C
Initiator %:	1.5	Accelerator %	0,5% (1% cobalt)

Initiator	Gel time Min	Time to peak min	Peak exotherm temp °C
<b>NOROX KP-9</b>	<b>25</b>	<b>61</b>	<b>88</b>
NOROX KP-100	18	48	106
NOROX SG-10	13	44	101



## PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX KP-9 are 5 kg and 25 kg in polyethylene bottles.
- NOROX KP-9 is available pre-dyed in 25kg bottles. Please see United Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific NOROX KP-9 Safety Data Sheet (SDS) under section 14 & 15, shipping & regulatory information. **NOTE:** SDS's for all United Initiators products may be requested by contacting the company.
- NOROX KP-9 is available through a global distributor network. Call United Initiators for the name of the distributor in your area.

### United Initiators AB

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**For further information about peroxides for Thermoset please contact [www.united-in.com](http://www.united-in.com)**

### Disclaimer

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Application and usage of our products based on our technical advice is out of our control and sole responsibility of the user. The user is not released from the obligation to conduct careful inspection and testing of incoming goods in order to verify the suitability for the intended application.