

## ANDONOX KP-100

### DESCRIPTION

ANDONOX KP-100 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:	9.7 ± 0.1 %
Free hydrogen peroxide content:	2.2 ± 0.1 %
Water content:	2.0 %
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 (Seta Flash):	> 80°C
pH:	4 - 7
SADT:	65°C
Soluble in:	Oxygenated organic solvents
Insoluble in:	Water
Storage temperature:	Max. 25°C

### APPLICATION

ANDONOX KP-100 is a general purpose MEKP and gives consistent room temperature performance with both polyester resins and gelcoats. ANDONOX KP-100 has higher active oxygen and hydrogen peroxide level than ANDONOX KP-9, which is suitable when you want to speed up your gel and cure time. A reliable product of remarkable purity, ANDONOX KP-100 assures quality in almost every system. Suitable applications are: Hand lay-up, spray-up, RTM, continuous laminating, centrifugal casting, filament winding and polyester concrete. 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.

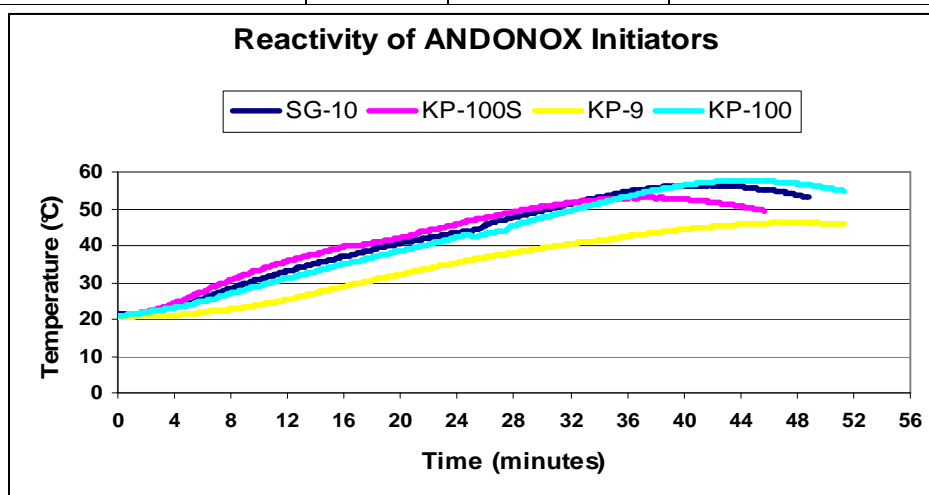
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### CURE CHARACTERISTICS

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

Resin: Orthophthalic polyester Temperature: 21°C  
Initiator %: 1.0 Accelerator %: 1% (1% cobalt)

Initiator	Gel time Min	Time to peak min	Peak exotherm temp °C
<b>ANDONOX KP-100</b>	<b>8</b>	<b>45</b>	<b>58</b>
ANDONOX KP-9	11	48	47
ANDONOX SG-10	6	42	56
ANDONOX KP-100S	5	37	53



### PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of ANDONOX KP-100 are 5 kg and 25 kg polyethylene bottles.
- ANDONOX KP-100 is available pre-dyed in 25kg bottles. Please see Syrgis Performance Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific ANDONOX KP-100 Safety Data Sheet (SDS) under section 14 & 15, shipping & regulatory information. **NOTE:** SDS's for all Syrgis Performance Initiators products may be requested by contacting the company.
- ANDONOX KP-100 is available through a global distributor network. Call Syrgis Performance Initiators for the name of the distributor in your area.

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