

## ANDONOX SG-10

### DESCRIPTION

ANDONOX SG-10 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:	3.2 ± 0.2 %
Water content:	< 2.5 %
Appearance:	Colourless and clear liquid
Density at 20°C:	1.13 – 1.16 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 SG-10 is a MEKP with high active oxygen and hydrogen peroxide level, which means faster gel and cure times than ANDONOX KP-9 and ANDONOX KP-100. ANDONOX SG-10 gives consistent room temperature performance with both polyester resins and lacquers. A reliable product of remarkable purity, ANDONOX SG-10 assures quality in almost every system. Suitable applications are: production of button sheets, continuous laminating, centrifugal casting and polyester concrete. Due to the high hydrogen peroxide level ANDONOX KP-SG-10 is not recommended to be used with gelcoats.

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.

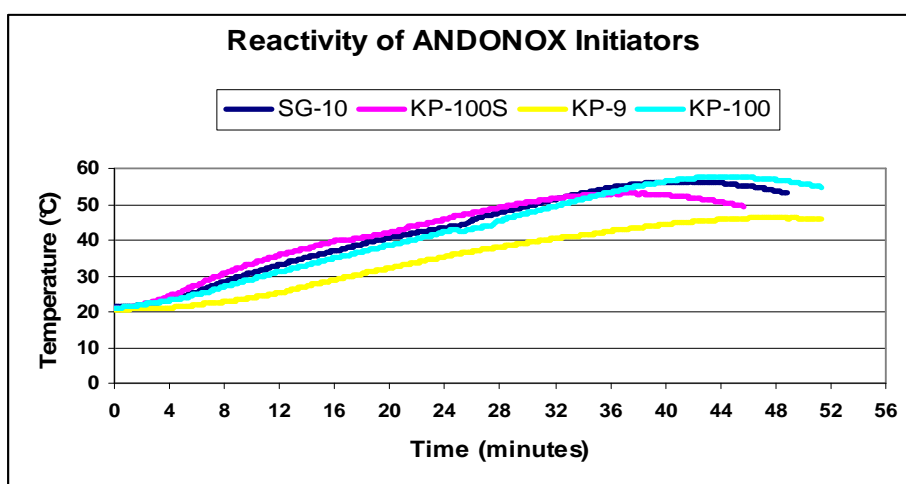
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### CURE CHARACTERISTICS

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
ANDONOX KP-9	11	48	47
ANDONOX KP-100	8	45	58
<b>ANDONOX SG-10</b>	<b>6</b>	<b>42</b>	<b>56</b>
ANDONOX KP-100S	5	37	53



### PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of ANDONOX SG-10 are 5 kg and 25 kg polyethylene bottles.
- ANDONOX SG-10 is available pre-dyed in 25kg bottles. Please see Syrgis Performance Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific ANDONOX SG-10 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 SG-10 is available through a global distributor network. Call Syrgis Performance Initiators for the name of the distributor in your area.

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