

ANDONOX KP-100S

DESCRIPTION

ANDONOX KP-100S is a high active 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:	4.6 ± 0.2 %
Water content:	2.5 %
Appearance:	Colourless and clear liquid
Density at 20°C:	1.13 – 1.16 g/cm ³
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-100S is a MEKP with high active oxygen and very high hydrogen peroxide level. That means a fast curing MEKP with shortest possible gel time. ANDONOX KP-100S is a reliable product of remarkable purity, which gives consistent room temperature performance with most polyester's. Suitable applications are: production of button sheets, continuous laminating and polyester lacquers. Due to the high hydrogen peroxide level ANDONOX KP-100S should not 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.

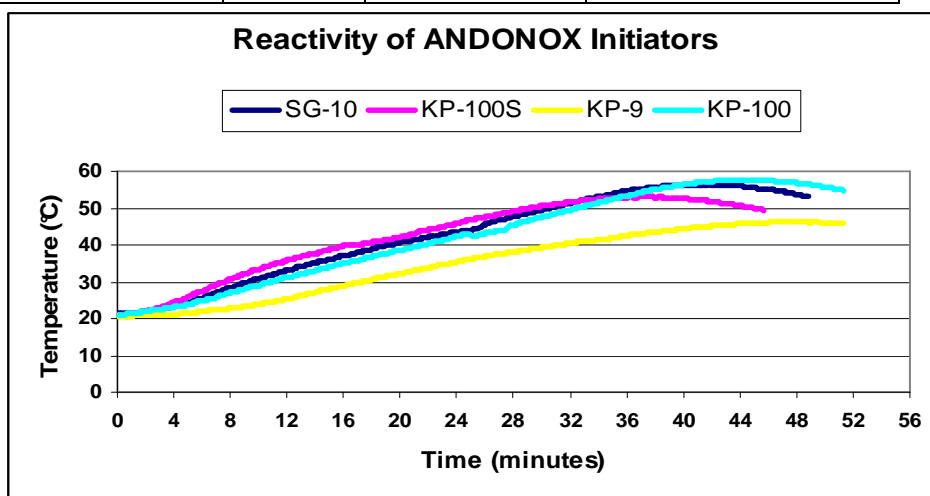
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CURE CHARACTERISTICS

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
ANDONOX SG-10	6	42	56
ANDONOX KP-100S	5	37	53



PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of ANDONOX KP-100S are 5 kg and 25 kg polyethylene bottles.
- ANDONOX KP-100S 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-100S 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-100S is available through a global distributor network. Call Syrgis Performance Initiators for the name of the distributor in your area.

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