

ANDONOX ENP-90

DESCRIPTION

ANDONOX ENP-90 is a medium active methyl ethyl ketone peroxide in proprietary phlegmatizer for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerator.

TYPICAL PROPERTIES

Active oxygen content:	8.7 - 9.0 %
Free hydrogen peroxide content:	1.6 - 1.8 %
Water content:	max. 2 %
Appearance:	Colourless and clear liquid
Density at 20°C:	1.00 - 1.03 g/cm ³
Viscosity at 20°C:	15 - 18 mPa.s
Flash point:	> 77°C (Method: Seta closed cup)
SADT:	60°C
Soluble in:	Oxygenated organic solvents
Insoluble in:	Water
Storage temperature:	Max 25°C

APPLICATION

ANDONOX ENP-90 is not phlegmatized (diluted) with an phthalate like di-methyl-phthalate or di-isobutyl-phthalate as most other MEKPs on market are. The phlegmatizer system makes ANDONOX ENP-90 somewhat less soluble in polyester resins and gelcoats than MEKPs with phthalates so therefore ANDONOX ENP-90 needs longer mixing time.

Suitable applications are: Hand lay-up, spray-up, RTM, continuous laminating, centrifugal casting, filament winding, polyester concrete, button manufacturing and vacuum infusion.

ANDONOX ENP-90 gives consistent room temperature performance with both resins and gelcoats. A reliable product of remarkable purity, ANDONOX ENP-90 assures quality in almost every system.

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.

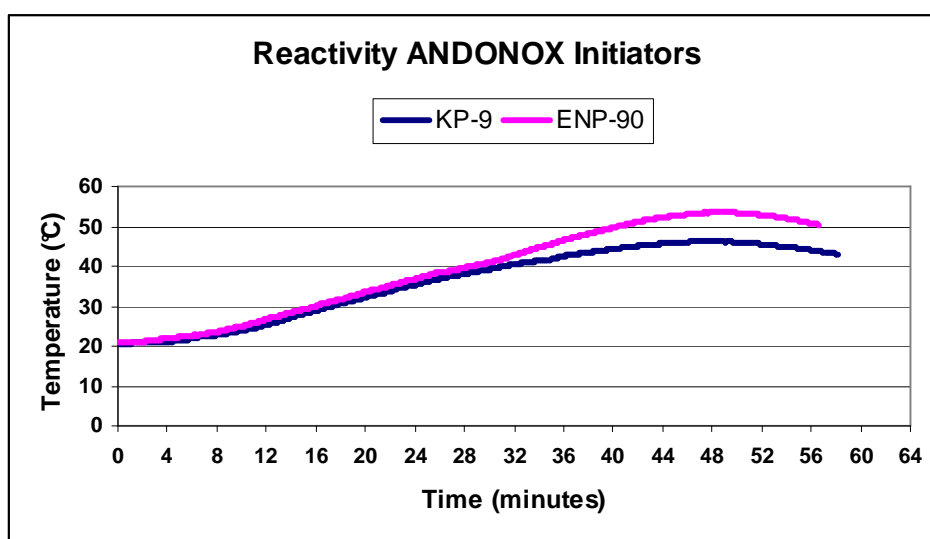
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CURE CHARACTERISTICS

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 ENP-90	10	49	53
ANDONOX KP-9	11	48	47



PACKAGING, SHIPPING & AVAILABILITY

- The standard package size of ANDONOX ENP-90 is 25 kg in polyethylene bottles.
- ANDONOX ENP-90 is available pre-dyed. Please see Syrgis Performance Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific ANDONOX ENP-90 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 ENP-90 is available through a global distributor network. Call Syrgis Performance Initiators for the name of the distributor in your area

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