

ANDONOX KPM

DESCRIPTION

Andonox KPM is a mixture of ketone peroxides with dimethyl phthalate as a phlegmatiser. Andonox KPM is an initiator for the curing of most polyester resins at both room- and elevated temperatures.

TYPICAL PROPERTIES

Active oxygen content:	7.7 ± 0.1 %
Appearance:	Slightly yellow and clear liquid
Density at 20°C:	1.11 – 1.15 g/cm ³
Viscosity at 20°C:	13 - 21 mPa.s
Flash point (Seta Flash):	> 65°C
SADT:	50°C
Soluble in:	Oxygenated organic solvents
Practically insoluble in:	Water
Storage temperature:	Max 25°C

APPLICATION

Andonox KPM is an extremely effective initiator for an accelerated cure in most resin systems. Gel time is general similar to standard MEKP as Andonox KP-9. Andonox KPM is best suited for singly promoted resins using cobalt promotion alone. The dosage of Andonox KPM depends on various factors such as; resin reactivity, accelerator type and amount, process temperature and production process. We recommend a dosage level of 1-3% by resin weight and a workshop temperature not lower than 15°C. Small amounts of an inhibitor could be used to get longer gel time but in general high inhibitor levels are usually not desirable, some quaternary ammonium salts can cause yellowing of the resin.

Andonox KPM can be used as an alternative to an AAP when the high exotherm of the AAP can give problems with cracks or internal stress.

Andonox KPM is suitable for the curing of resins when fast curing and a short de-moulding time is required. Suitable applications are: Hand lay-up, spray-up, RTM, continuous laminating, centrifugal casting, filament winding and polyester concrete.

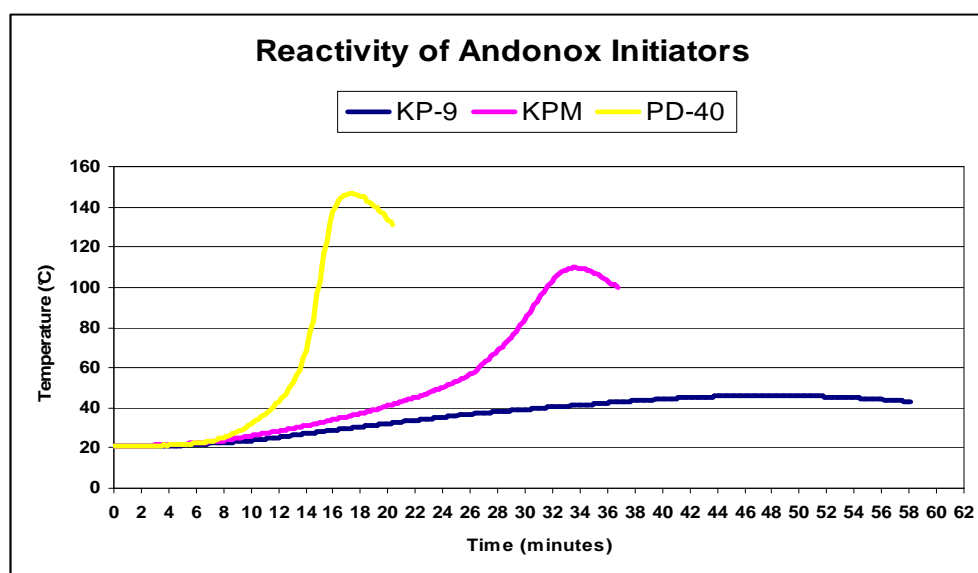
Andonox KPM is not recommended for hot cure systems or gel coats.

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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 KPM	9	34	110
Andonox KP-9	11	48	47
Andonox PD-40	8	17	147



PACKAGING, SHIPPING & AVAILABILITY

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

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