

ANDONOX CHM-50

DESCRIPTION

ANDONOX CHM-50 is a solution of cumyl hydroperoxide in an accelerating phlegmatizer. ANDONOX CHM-50 is a liquid polymerisation initiator for the room temperature cure of vinyl ester resins with the following advantages/properties.

- Moderate peak exotherm, typically lower than MEKPs
- Moderate gel time in vinyl ester resins
- Excellent final cure
- Low impurity levels (water, hydrogen peroxide, salts etc)
- No gas generation

TYPICAL PROPERTIES

Active oxygen content:	4.3 - 4.7 %
Appearance:	Slightly yellow and clear liquid
Density at 20°C:	1.04 - 1.07 g/cm ³
Viscosity at 20°C:	3 - 5 mPa.s
SADT:	55°C
Soluble in:	Oxygenated organic solvents
Insoluble in:	Water
Storage temperature:	Max 25°C

APPLICATION

ANDONOX CHM-50 is an excellent liquid polymerisation initiator for the room temperature cure of standard epoxy and Novolac epoxy vinyl ester resins, when a quick cure with no gassing in the resin is desired. Gel times will be similar to high dimer NOROX MEKP products (i.e. NOROX MEKP-925H, MEKP-925, etc.) but final cured resin hardness is often better than for resins initiated with MEKP's.

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CURE CHARACTERISTICS

RESIN: Epoxy vinyl ester (pre-promoted)*

Initiator	Gel time Min	Peak Exotherm Temp °C	935 Hardness			934 Hardness
			2 hr	3 hr	4 hr	24 hr
ANDONOX CHM-50	17	77	0	49	55	20
NOROX MEKP-925H	11	124	0	38	41	8

* Results determined by Syrgis Performance Initiators laboratory test methods and are used for comparison, only. Resin suppliers should be contacted for specific recommendations for individual resins.

PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of ANDONOX CHM-50 are 5 kg and 25 kg polyethylene bottles.
- ANDONOX CHM-50 is available pre-dyed in 25kg bottles. Please see Syrgis Performance Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific ANDONOX CHM-50 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 CHM-50 is available through a global distributor network. Call Syrgis Performance Initiators for the name of the distributor in your area.

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