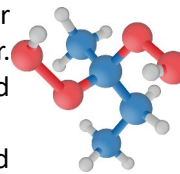


PERMIX-MC96

Date of update: February 08, 2024

PERMIX-MC96 is a peroxide initiator used for copolymerization of unsaturated polyester resins. In comparison with standard MEKP it includes less hydrogen peroxide and water. Synergistic effect of peroxides enables combinations with shorter gel and cure time, compared with standard MEKP.



PERMIX-MC96, regarding its high reactivity, may be applied as a hardener for unsaturated polyester resins and gel coats in lower ambient temperature. As it includes less water and hydrogen peroxide it may be applied for curing gel coats.

Product description	2-butanone peroxide and cyclohexanone peroxide in dimethyl phthalate
Appearance	Clear, colorless solution
Active oxygen	9,6 ÷ 9,8%
Peroxides	33 ÷ 44%
Water content	Approximately 1,5 %
Density at 20°C	1,173 ÷ 1,177 g/cm ³
Solubility	Phthalates
Slightly soluble in	Water
SADT	60°C
Recommended storage temperature	0 - 25°C
Expiration date*	12 months from the production date
Hazards	Oxidizing agent, decomposes rapidly under the influence of heat, mechanical impurities or by contact with reducing agents. Never mix hardener with accelerator.
<i>Recommended precautions and first aid measures - see Material Safety Data Sheet for the mixture.</i>	

*Provided the product is stored and transported at the recommended temperature.

Copolymerization process: resin (100g) - hardener (2g)

Hardener	Gelling time	The highest temperature	Time to temperature peak
	[min]	[°C]	[min]
PERMIX-MC96	22-24	162,8-166,0	38-29
METOX-50W	27-28	145,0-149,4	46-48
METOX-50WR	26-28	143,4-150,2	45-49

Data for the resin used: orthophthalic unsaturated polyester, thixotropic – preaccelerated, low styrene emission.

All product information and suggestions herein are provided in good faith and in a reliable manner. Oxytop does not guarantee as to the completeness of the information contained herein for purpose or fitness for a particular purpose. Oxytop does not guarantee that all possible use does not infringe any patent. The purchaser should determine the suitability of the product for a particular purpose, by preliminary tests.

This document supersedes all previously issued data sheets (TDS) for a specific product. It is allowed to transmit, distribute, copy this document only in its original form, with headers and footers. It is not allowed to place the document on the website.