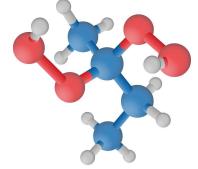


CETOX-50S

Date of update: May 15, 2017

Cetox-50S is a peroxide initiator used for copolymerization of unsaturated polyester resins. It is mainly applied in the presence of cobalt accelerators at ambient temperature. It can be used in hand lay-up and spray lay-up. In comparison with Cetox-50 it presents shorter gel time, while in comparison with Metox-50 it presents lower exothermic peak and more gradual cure. It can be also applied in technologies involved in the manufacture of thick layers of laminates and for the production of buttons.



| | |
|---|--|
| Product description | Cyclohexanone peroxide |
| Appearance | Clear, colorless solution |
| Active oxygen | 4,8 ÷ 5,2% |
| Peroxides | 17 ÷ 20% |
| Water content | Approximately 6,1% |
| Density at 20°C | 1,075 ÷ 1,080 g/cm ³ |
| Solubility | Soluble in different organic solvents (ethyl acetate, butyl acetate) |
| Slightly soluble in | Water |
| SADT | 60°C |
| Recommended storage temperature | 0 - 25°C |
| 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> | |

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

| Hardener | Gelling time | The highest temperature | Time to temperature peak |
|-----------|--------------|-------------------------|--------------------------|
| | [min] | [°C] | [min] |
| CETOX-50S | 31-32 | 103,2-103,4 | 49-50 |
| CETOX-50 | 33-35 | 104,2-107,0 | 49-52 |
| METOX-50 | 24-26 | 153,0-159,4 | 41-45 |

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.