



CR-27™ Initiator Pre-mix Product Bulletin

Last Revised April 20, 2004

Introduction:

CR-27 initiator premix mixture consists of 27% Di-isopropyl Peroxydicarbonate (IPP) and 73% CR-39™ (Diethylene Glycol Bisallyl Carbonate).

Health and Safety:

Always read the CR 27 initiator premix MSDS, product ID #0922 and product label. Follow all instructions when handling this product.

Storage and Handling:

To safeguard the quality of CR-27 initiator premix, keep the product stored in its original, unopened container stored at -20°C.

Shelf Life:

CR 27 initiator premix stored at -20°C, should be used within **6 months** at from the date of production at PPG as printed on the barcode label.

Statements and methods presented are based upon the best available information and practices known to PPG Industries, Inc., as of April 2006, when this bulletin was printed, but are not representations or warranties of performance, results or comprehensiveness, nor do they imply any recommendations to infringe any patent or an offer of license under any patent. The products mentioned herein can be hazardous if not used properly. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be. PPG Industries, Inc., also recommends that, before use, anyone using or handling this product thoroughly read and understand the information and precautions on the label, as well as in other product safety publications such as the Materials Safety Data Sheet. Like all potentially hazardous materials, this product must be kept out of the reach of children. CR-27, CR 407, HIRI and CR-39 (Reg. U.S. Pat. & Tm. Off.) are trademarks of PPG Industries, Inc.

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Processing:

With the exception of CR-407™ monomer, **CR-27** initiator premix can be used to cure most thermally cured PPG monomers. However, for higher refractive index materials such as HIRI™ casting resin, **CR-27** initiator premix will cause the final lens refractive index to be slightly lower.

Premix Crystallization

CR-27 initiator premix, when stored for extended periods of time at low temperatures may freeze.

Initiator Levels:

Requirements for initiator level will vary according to processing. When determining how much **CR-27** initiator premix to use, it is best to start with the calculated IPP value based on the reported peroxide content on the Certificate of Analysis. For example, a 10% dilution of **CR-27** initiator premix which has a reported peroxide content of 27.1% would be expected to perform very close to 2.71% neat IPP.

Cure Cycle:

CR 27 initiator premix not a monomer resin. An introduction of any new initiator system will require cure cycle optimization.

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Typical Pre-Mix Properties for CR 27:

Appearance	Clear, Colorless Liquid
Peroxide Content	26.5 – 27.5%
Inorganic and Organic Hydrolyzable Chlorides	< 25 mg/kg
Organic Hydrolyzable Chlorides	< 10 mg/kg

Samples and Services:

For additional information, please contact a PPG customer service representative at:

- Phone: **1-800-323-2487**
- Fax: **724-325-5042**

or: [send E-Mail](#)

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