

## Niax\* Color Stabilizer CS-22LF

### Product Description

Conventional polyether formulations normally don't produce foams that can be successfully flame laminated or welded, like foams based on polyester polyols. Niax Color Stabilizer CS-22LF is an additive specially developed for flame and heat lamination of polyether foams. It is an improved version of the previous CS-22 that doesn't contain any phenol. Niax Color Stabilizer CS-22LF thereby fulfills the most severe automotive specifications regarding fogging and emissions. Niax Color Stabilizer CS-22LF is improving the indirect light stability of polyether and polyester foams.

### Key Features and Benefits

- Using 3 to 8 parts Niax Color Stabilizer CS-22LF results in foams that can be flame laminated on the equipment used for polyester foams
- The peel strength 24 hours after lamination is at least equivalent to that of polyester foams
- The hydrolytic stability of the foam is superior to that of polyester foam
- The foam can be Butt-welded and the strength is superior to the tensile strength of the foam
- There is no phenol emission related to Niax Color Stabilizer CS-22LF additive
- Niax Color Stabilizer CS-22LF delays yellowing of foams exposed to indirect light
- Niax Color Stabilizer CS-22LF is a mild antioxidant for polyester foams

### Typical Physical Properties

Form	Clear liquid
Viscosity at 25°C, cSt	650
Specific gravity at 25°C	1.0
Hydroxyl value, mg KOH/g	350

Typical properties are average data and are not to be used as or to develop specifications

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### Processing Recommendations

- Niax Color Stabilizer CS-22LF is preferably metered on a separate line
- It is sensitive to hydrolysis and can't be pre-blended in water
- It can be diluted in DPG or polyether polyol
- Below guidelines on how to formulate with CS-22LF

Standard Polyol (parts)		
100	95	92
CS-22LF (parts)		
0	5	8
Stannous Octoate Reduction (%)		
0	15-20	25-30
Amine Increase (%)		
0	5-10	10-20
Flame Lamination Properties		
Standard		Improved

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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