

Niax* DP-1022

Product Description

Niax processing additive DP-1022 is a reactive polyfunctional additive that finds utility in improving significantly Tensile/Elongation/Tear properties of a number of urethane foam application like high resiliency technologies (HR), formulations using inorganic fillers as well as specialty formulations such as viscoelastic foams.

Key Features and Typical Benefits

The use of Niax processing additive DP-1022 will result in:

- Increased Tear resistance
- Increased Tensile/Elongation of the foams

Specially in formulations using inorganic fillers and High Resilience foams.

Typical Physical Properties

Appearance	Clear liquid
Viscosity at 25 °C, cSt	175
Specific Gravity at 20/25 °C	1.02
Hydroxyl Number, mg KOH/g	1200

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

Formulation and Use

The use of Niax processing additive DP-1022 in low-medium density formulation can help reduce processing problems often encountered when foaming with fillers. At 0.5 – 1.5 php, Niax processing additive DP-1022 provides excellent foam processing and improvements in Tensile/Teat/Elongation properties. Only minor catalyst adjustments are needed. A reduction of stannous octoate by 5 – 10% is required for optimum processability. This will vary depending on the formulation.

Niax Processing Additive DP-1022 Application Guide

Niax processing additive DP-1022 (parts)	
0	1
Stannous Octoate Reduction (%)	
0	5
Amine Increase (%)	
0	5
Tensile/Elongation/Tear Properties	
Standard	Improved

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the 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 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.

Contact Information

Email

commercial.services@momentive.com

Telephone

Americas

+1 800 295 2392

+1 614 986 2495

Latin America

+55 11 4534 9660

Europe, Middle East, Africa and India

00800 4321 1000

+40 213 044229

Asia Pacific

China

800 820 0202

Japan

+81 276 20 6182

All Other Countries

+60 3 9206 1543

For literature and technical assistance, visit our website at: www.momentive.com

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260 Hudson River Road Waterford,
NY 12188 USA
momenive.com

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