NIAX ADDITIVES BY MOMENTIVE

ALWAYS ONE STEP AHEAD

EMEAI EUROPE, MIDDLE EAST, AFRICA & INDIA

POLYURETHANE ADDITIVES FOR

ONE COMPONENT FOAMS

A LEADER IN POLYURETHANE ADDITIVES

Niax™ polyurethane additives offer a broad range of products able to satisfy the latest requirements of one component foams production.

The achievement of innovative and cost-effective foam production depends largely on the right surfactants, catalysts, and other additives selection. Momentive's team of experts, with their strong technical know-how, can support you facing your production challenges also with tailor-made solutions.

SILICONE SURFACTANTS

Main Role & Typical Benefits

Reduce surface tension of reactants:

- Easy mixing and emulsification
- Avoidance of phase separation after mixing
- Use of different base polyols and fillers/extenders
- Support for emulsification of insoluble blowing agents
- Support of reaction efficiency and uniform foam formation

Bubble formation:

- Increased nucleation of air and blowing gas
- Regular and uniform cell formation
- Enhanced blowing efficiency and reduced loss of blowing agent

Bubble stabilization:

- Balanced open/close cell content
- Stabilization of cells during flow and under stress from processing conditions and contact to facings
- Reduced voids and defects

- **Bubble growth/coalescence:**
- Control of average cell size
- Isotropy
- Improved key foam properties such as thermal conductivity and compression strength

PRODUCTS

NIAX SILICONES FOR OCF FOAMS, FOR USE IN ISOCYANATE & PREPOLYMERS

Y-16371: New generation, easy formulating silicone.
Excellent performance in winter conditions and premium foams. Easy flow and low expansion rate. Suitable for sprayable formulations and foam adhesives.

Y-16450: New generation, easy formulating silicone.
Improved dimensional stability at low density. Well balanced, easy flow, and popcorn-like froth.

L-5345: Fine cells and good dimensional stability performance. Optimal performance in summer/winter formulations with high levels of fillers.

L-5348: High froth volume, good compatibility and dimensional stability, along with excellent storage stability.

L-5388: Excellent solution for low-density foams like open-cells spray, packaging, and OCF. Wide compatibility with polyethers and polyesters. Strong foam stabilization. Improved miscibility of propellants.

L-5351: Improved miscibility of components, smooth flow, fine cells, and good dimensional stability. Suitable for high-yield foams, winter grades and formulations including chloroparaffin.

L-5360: Balanced properties in a variety of formulation types also when high levels of fillers are used.

NIAX CELL OPENER/ REGULATOR

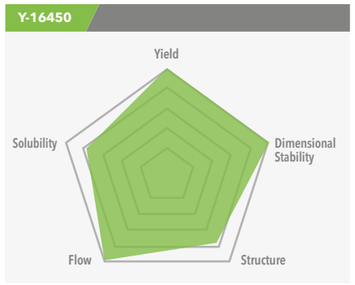
To adjust foam structure and optimize dimensional stability, avoid shrinkage, and improve fire properties. Used in combination with Niax Silicone Stabilizers.

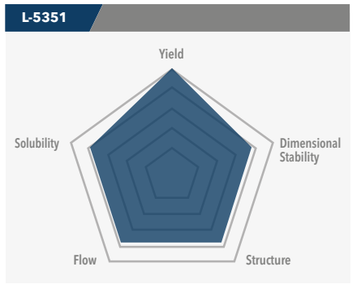
L-6164: Cell opener/regulator. Use level 0.1 - 0.7 % in prepolymer composition.

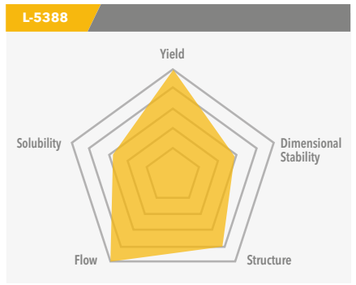
NIAX CATALYSTS

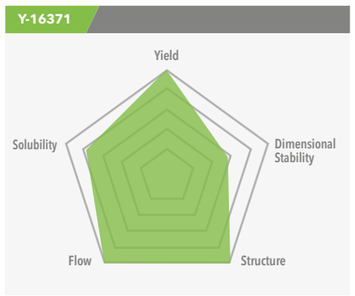
DMDEE: Standard amine catalyst for isocyanate/prepolymer side.

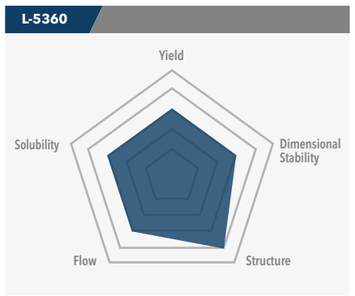
KEY FEATURES

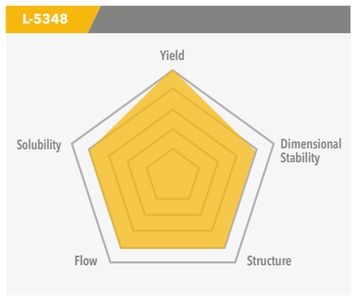












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