

Geolite* Modifier 206

Product Description

Geolite Modifier 206 is a stabilizing additive that offers a technology that can eliminate or dramatically reduce the use of auxiliary blowing agents (ABAs) in many grades of conventional slabstock foam. This technology is based on the principle of lowering the hardness of foam by reducing the isocyanate index, permitting the use of more water and less blowing agent to achieve desired foam hardness. The use of Geolite Modifier 206 facilitates the production of many foam grades, at very low indices (about 85), while maintaining acceptable physical properties and processing latitude.

Key Features and Typical Benefits

- Uses existing urethane raw materials
- Provides stability for use at TDI index as low as 85
- Often eliminates all ABAs
- Foam properties comparable to conventional foam in most foam grades
- Excellent processability compared with other soft foam technologies
- Useful with varied processing technologies, including mechanical cooling

Typical Physical Properties

Appearance	Clear liquid
Viscosity at 20 °C, cSt	60
Specific Gravity at 20 °C	1.14
Solubility in Water at 20 °C	Complete
Freezing Point °C	< -30
Water Content, % by wt	33
TDI/Geolite Modifier 206 Ratio	3.8092/1
Hydroxyl Number, mg KOH/g	2455

Typical properties are average data and are not to be used as or to develop specifications. Note: It is recommended that this material not be frozen.

Processing Consideration

The formulated grades of foam using Geolite technology have been shown to exhibit higher reaction exotherms than conventional formulations since higher water concentrations are required. This concern must be addressed prior to the adoption of this technology. Lower index formulations serve to reduce this high exotherm, but higher than normal exotherms should be expected.

Geolite Modifier 206 virtually eliminates the emissions of ABAs, and, when used in low-index formulations, TDI emissions may be greatly reduced. Geolite Modifier 206 contains 33 percent water. This fact should be considered when calculating a foam formulation.

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.

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