

Geolite* Modifier 91

Description

Geolite Modifier 91 is a softening/stabilizing additive whose technology can offer ways to eliminate or substantially reduce the use of CFC's or alternative blowing agents in many grades of conventional slabstock foam. This technology is based on the principle of lowering the hardness by lowering the TDI index (typically to around 100), thus allowing the use of higher water and lower blowing agent levels to achieve the same hardness as the original grade. The addition of Geolite Modifier 91 is necessary for good foam processing at such low TDI indices.

Key Features and Benefits

- Foam additive with softening effect
- Stabilizing additive for use at low TDI indices
- Soft grades can be produced with approximately 30% less blowing agent
- Reduced property spread within the buns, particularly at higher densities
- Good properties in all grades, comparable to conventional foam
- Best processing of all currently available soft foam technologies
- Low freezing point: -40°C (-40°F)

Typical Physical Properties

Physical Form	Liquid
Specific Gravity at 20/20°C	1.1285
Weight per Gallon at 20°C (68°F), lb (kg)	9.39 (4.26)
Viscosity at 25°C (77°F), cSt	170
Vapor Pressure at 20°C (68°F), mm Hg (psi)	<10 (<0.2)
Coefficient of Expansion at 55°C (130°F), per °C	0.00067
Flash Point, Pensky-Martens Closed Cup	None
Freezing Point, °C (°F)	-40 (-40)
Boiling Point, °C (°F)	130 (268)
Solubility in Water at 20°C (68°F)	Complete
Water Content, % by wt	10
Hydroxyl Number, mg KOH/g	
Without Water	785
With Water	1330

TDI/Geolite Modifier 91 Ratio

2.0615/1

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

For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

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

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