



# PEarlene\* SiPE MB01 Masterbatch

MARKETING BULLETIN

SILANES - TRADITIONAL

PEarlene SiPE MB01 masterbatch is a uniformly flowing, pelleted silicone gum masterbatch with a 50% loading of ultra high molecular weight silicone (polysiloxane) on a low density polyethylene (LDPE).

## Key Features and Typical Benefits

- Typically improves scratch and mar resistance
- Lowers the surface friction of the extruded part
- Can help eliminate blooming as well as migration
- Generally increases fabrication line throughput
- Can help reduce extruder torque
- Can help reduce extruder head pressure
- Can help reduce energy consumption during processing

## Potential Applications

PEarlene SiPE MB01 masterbatch can be added to a wide range of polyethylenes at concentrations up to 1.6% (as masterbatch) and is an excellent candidate to consider for use in extrusion and injection molding applications to provide processing advantages as well as improve surface properties.

## Typical Physical Properties

Appearance	White to off white pellets
Form	Approx., 5 x 5 mm
Siloxane Content (wt. %)	50 ±2
Bulk Density (g/l, at 20 °C)	560
MFI (2.16 kg load/190 °C)	16
Volatile (wt. %)	< 0.8

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

## Product Availability

PEarlene SiPE MB01 masterbatch is available in 25.0 kg bags. A pallet normally holds 40 bags or 1000 kg of product.

## Processing Recommendations

PEarlene SiPE MB01 masterbatch is added to the formulation and typically processed on conventional equipment under the same processing conditions recommended for the base resins and/or compounds. No special conditions or process modifications are generally required. However, PEarlene SiPE MB01 masterbatch must be melt processed under conditions that will assure a high level of homogeneity in the final product. It should be noted that it may be necessary to increase the extrusion speed and reduce machine temperature settings to get the full benefit of the additional throughput which may become available when using this masterbatch.

### 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](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.

### Food Contact

PEarlene SiPE MB01 masterbatch is compositionally compliant with 21 CFR 177.1520 (Olefin Polymers) and the siloxane polymer is compliant with 21 CFR 181.28 when used as a release agent. The product may also be compliant to EU food contact legislations. Please contact our commercial service department at [commercial.services@momentive.com](mailto:commercial.services@momentive.com) for further information.

### Customer Service Centers

#### Worldwide

Email: [commercial.services@momentive.com](mailto: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

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