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# PEarlene\* SiPP MB01 Masterbatch

## Product Description

PEarlene SiPP MB01 masterbatch is a uniformly flowing, pelleted silicone gum masterbatch with a 50% loading of ultra high molecular weight silicone (polysiloxane) on a polypropylene (PP) homopolymer.

## 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

## Typical Physical Properties

Appearance	White to off white pellets
Form	Approx., 5 x 5 mm
Siloxane Content (wt. %)	50 ±2
Bulk Density (g/l, @ 20°C)	625
MFI (2.16 kg load/190°C)	10
Volatile (wt, %)	< 0.8

Typical data are average data and actual values may vary.  
Typical data shall not be used as product specifications.

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solve product, process, and performance problems; our silanes, fluids, elastomers, sealants, resins, adhesives, urethane additives, and other specialty products are delivering innovation in everything from car engines to biomedical devices.

From helping to develop safer tires and keeping electronics cooler, to improving the feel of lipstick and ensuring the reliability of adhesives, our technologies and enabling solutions are at the frontline of innovation.

## Potential Applications

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

## Product Availability

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

## Processing Recommendations

PEarlene SiPP 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 SiPP 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 might 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 considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials 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.

## Emergency Service

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