



PEarlene* SIPP MB05 Masterbatch

MARKETING BULLETIN

SILANES - PLASTIC ADDITIVE

PEarlene SIPP MB05 masterbatch is a uniformly flowing, pelleted silicone gum masterbatch with a 50% loading of ultra high molecular weight silicone (polysiloxane) on a polypropylene homopolymer (HPP).

Key Features and Typical Benefits

- Typically improves scratch and mar resistance
- Typically 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
- Can help increase lubricity

Potential Applications

PEarlene SIPP MB05 masterbatch can be added to a wide range of polypropylenes 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.

Product Availability

PEarlene SIPP MB05 masterbatch is available in 25.0 kg bags. A pallet normally holds 40 bags or 1000 kg of product.

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)	616
MFI (2.16 kg load/190 °C)	12
Volatile (wt, %)	< 0.8

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

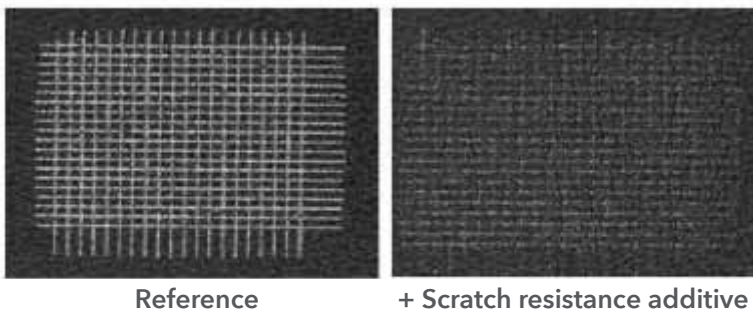
Test Performance Data

Anti-Scratch Performance

Formulation (%)	Reference	F1
PP	79	77
Talc	20	20
Black Color MB	1	1
PEarlene SIPP MB05 masterbatch	0	2
Total	100	100
ΔL at 10 N, 1mm tip, 1000mm/min ^(a)	5.46	1.98

(a) = PV3952 VW standard

Product formulations are included as illustrative examples only. Momentive makes no representation or warranty of any kind with regard to any such formulations, including, without limitation, concerning the efficacy or safety of any product manufactured using such formulations.



Evaluation: ΔL

Test results. Actual results may vary.

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.

Food Contact

PEarlene SIPP MB05 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 for further information.

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