



Regarding Silicone System Surface Modifier「Exfola™」(In development)

Exfola™ is a totally new silicone system surface modifier which uses the catalysts and synthesis technology unique to Mitsui Fine Chemicals, Inc. It is possible to make a product surface silicon rich by adding a small amount of (Exfola™) to polyolefin materials.

Mitsui Fine Chemicals, Inc., will start test marketing this innovative new material「Exfola」.

<Outline of Exfola™>

1. Product: Olefin-silicon copolymer
2. Trademark: Exfola™
3. Technology: Mitsui Chemicals technology
4. Distributor: Mitsui Fine Chemicals, Inc.
5. Schedule: Test marketing starts from February, 2013.

[Features]

- Detachability
- Water and oil resistant
- Wear resistant
- Low bleed out/Low Si transcription <Low staining and sustainable effect>
- Surface modification is possible with utilizing the innate characteristic of the base resin.
- The effect occurs by adding a small amount during the time of formation.

◇ Target base material: Polyolefin resin.

◇ Formation method: Each of formation methods such as injection, blow and inflation including film sheeting.

[Use Application]

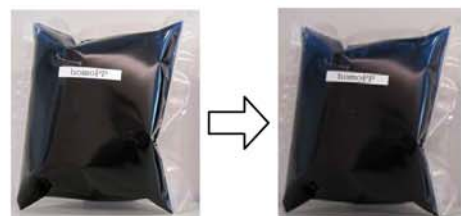
Electric and electronic materials, automotive materials, building materials, food packaging materials, medical materials, industrial materials, etc.

[Evaluation Example of Oil Repellency]

Exfola™ added PP bag



Non-added PP bag.



◆ Vegetable oil (colored blue) put into an Exfola™ added PP bag dissolves quickly.

■ Notes

- This product is in development. Quality, distribution and the like are not guaranteed for the future.
- There is currently no consideration to publish regarding placing on the PL (Positive List) of Japan Hygienic Olefin and Styrene Plastic Association.
- Please refer to the Material Safety Data Sheet for the detailed safety information.
- Please act accordingly after implementing safety measures and legal requirements suited to each usage and application.