

Exfola™

Surface Modifier

DEVELOPMENTAL DATA SHEET

A PRODUCT OF MITSUI FINE CHEMICALS, INC.

Exfola™ is an additive for polyolefin, such as polyethylene (PE) and polypropylene (PP), that combines the characteristics of polyolefin and silicone. Exfola™ is most often used as a surface modifier for injection molded parts, or extruded articles and film.

Enhanced surface properties include:

- Releasability
- Oil and Water Repellence
- Lower Coefficient of Friction
- Abrasion Resistance
- Surface Smoothness

Exfola™ is widely used as a surface modifier of polyolefin film, sheet, containers, and packages. The product is available in pellet form, and in two types:

- Polyethylene-based (PE) Masterbatch
- Polypropylene-based (PP) Masterbatch

MITSUI CHEMICALS AMERICA, INC.

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Unlike traditional silicone blended masterbatch, Exfola™ is a true tri-block copolymer. As such, the product offers:

- Minimal Silicone Transfer
- Minimal Bleed-Out

Developmental Product Data:

Grade		PE3027	PP2000
Property of Base Resin	Base Polymer	LDPE	Homo-PP
	Tm (°C)	114	163
	MFR (g/10min)	3 @ 190°C	3 @ 230°C
	Density	927	900
Concentration of Exfola (%)		30	30
Master Batch MFR (g/10min) @ 190°C		30 @ 190°C	20 @ 230°C

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