F-850LF

The CaCo3 masterbatches which are specifically designed for eco-friendly film applications. These grades are based on Calcium carbonate with a very fine primary particle. Films made of the filler masterbatches can be incinerated. The film has lower heat of combustion when incinerated compared to film made of common resins. Also, dioxin, sulfur gas and chlorine gas become neutralized when incinerated, which significantly decreases the corrosion of incinerator and prevents air pollution.

The masterbatches are appropriate for Matt finish, opaque film.

Typical applications for the filler masterbatches for film are: Agricultural and horticultural film, garbage bags, heavy duty sacks and carrier bags. Sungbo filler masterbatch specially developed to be incorporated into polyethylene blown film improves both productivity and physical properties.

Blown Film Extrusion

The main benefits in production include:

- Increased specific output
- Faster heating and cooling
- Increased line speed
- Better homogeneity
- Enhanced machine uptime

The main benefits to the end-product include:

- Reduced raw material costs
- Potentiality for down-gauging
- Higher stiffness
- Improved dart drop
- Improved tear resistance
- Improved barrier properties

Product	Calcium Carbonate Master Batch
Grade Name	HI-LENE F850LF
Color	White
Application	LLDPE, LDPE, HDPE film

Certificate of Analysis

Properties	Unit	Specification	Results	Test Method	Remarks
Appearance	-	Pellet	White Pellet	SUNGBO Method	
Melt Index	g/10min	7±5		ASTM D- 1238	190℃/2.16kg
Specific gravity		2.0±0.1		ASTM D-792	
Moisture	WT %	Max 0.20		ASTM D 570	
$CaCo_3$ Contents	WT %	86±2		ASTM D 4218	600℃, 1hr
CaCO3 Granularity	㎛	2		DSI-G-02	

COMPOSITION

PRODUCTS	
CaCO3	86%±2
PE	14%±2
ADDITIVE	
TOTAL	100%