

## Performance Benefits and Overview

UF103 – CaCO<sub>3</sub> Filler Masterbatch contains mainly CaCO<sub>3</sub> Calcium Carbonate powder, resin and some additives. CaCO<sub>3</sub> made natural mineral calcite with high pure over 99 %, high whiteness > 96 %, treatment surface by additive and use perfect technology. This product used to replace one of part virgin resin, from that help save cost for the end product and improved some properties such as: whiteness, hardness, strength.

CaCO <sub>3</sub> Powder Content	78±1 %
Purity	96-98%
Mean particle size (D50)	1 µm (1750 mesh)
Carrier Resin	LLDPE
Melt Mass- Flow Rate (190°C/2.16kgs)	0.1-1 g/10 mins
Humidity	0.08 wt %
Processing Temperature	140-280°C

## Main Features

Good Dispersion	✓
Gloss Finish	✓
Food Contact	✓
Good Processability	✓
High Light Fastness	✓
Excellent Heat Resistance	✓
Increase Hardness	✓

Depending on processing parameters or local specifications. It is advisable to check with our sales to commercial production.

UF103	Polymer Compatibility			
	LLDPE	HDPE	LDPE	PP
	✓	✓	✓	✓

Standard Packaging	Certificate
25 kg bags (pallet 1350kg) Jumbo Bag ( 1200 kg)	FDA, REACH, ISO 1900-2015

Main Application	Properties	Dosage
Blow Film (Roll bags, T-shirt bags, Garbage bags)	PE Film thickness from 8 micron	Upto 20 %
	PE Film thickness from 15 micron	Upto 50 %
Injection Molding (HDPE Crates)		Upto 15 %
HDPE Blow Molding ( Jerry cans/bottles)		Upto 40 %

The product should be stored in dry conditions at temperatures below 25°C protected from direct sunlight. If these protective measures are not taken into account impairment of the product is possible. This can result in degradation of the color, smell or loss of other properties. The data and information contained are presented in good faith, and are based on USMASTERBATCH's current knowledge and experience. They are provided for guidance only. Because many factors may affect processing or application/use of the product. USMASTERBATCH recommends that the reader carry out its own investigations and tests to determine the suitability of a product for its particular purpose prior to us.

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**US MASTERBATCH JOINT STOCK COMPANY**