

Calcium Carbonate Masterbatch



Features

Base Material

Made from polyethylene/polypropylene.

Filler

Ultra-fine calcium carbonate (average particle size of 1.8–3.3 μ m).

High Concentration

Contains 75–85% calcium carbonate.

Economic Benefits

Lowers production costs and increases efficiency, providing significant economic advantages.

Applications

A high-quality plastic modification masterbatch, ideal for reducing plastic usage while enhancing product performance.

Performance Enhancements

- Increases product weight, hardness, rigidity, and resistance to compression and wear.
- Reduces shrinkage and deformation issues in products.

Spec.

Property	Testing Methods	LL-103	LL-105	LD-113	PP-103	PP-105
Calcium Carbonate Content (%)	--	80-85	83-88	83-88	80-85	83-88
Average Particle Size of Calcium Carbonate (μ m)	Malvern	1.8	1.8	2.3	3.3	3.3
Melt Flow 190°C , 2.16kg (g/10min)	ASTM D1238	<3	<3	<3	--	--
Melt Flow 230°C , 2.16kg (g/10min)	ASTM D1238	--	--	--	5-20	5-20
Gravity (g/cm ³)	ASTM D1505	1.9~2.1	2.0-2.2	2.0-2.2	1.9~2.1	2.0-2.2
Moisture (%)	ASTM D644	<0.25	<0.25	<0.25	<0.25	<0.25
Carrier	--	PE	PE	PE	PP	PP
Application	--	Garbage bags, cleaning bags, plastic vest bag		Garbage bags	Woven bags, Packaging straps, Flexible Conduit, PP sheets	

