

MASTERBATCH

MASTERBATCH Entira 1008 MB

PP CALCIUM CARBONATE PROCESS-AID MASTERBATCH

This specialty compound disperses calcium carbonate in a polyolefin copolymer carrier resin and processing additives, formulated as a low melt-flow process aid rather than a general-purpose filler. Blended in a minor proportion alongside a primary filler masterbatch, it improves melt homogeneity, dispersion, and line output without materially changing the finished part's mechanical performance.

Typical Application

- Process aid blended at 5-10% together with a general-purpose PP filler masterbatch in woven bag production
- Improves melt dispersion and processing stability in PP conversion lines

Product Characteristics

- Low melt-flow formulation intended as a processing aid rather than a primary filler
- Improves dispersion and melt homogeneity when co-fed with a general-purpose filler masterbatch
- Good compatibility with the copolymer carrier resin
- Uniform granule for consistent metering and blending

Physical Properties

Properties	Test Method	Typical Value	Unit
Calcium Carbonate Content		70	%
Calcium Carbonate Particle Size (Malvern Mastersizer 2000)		1-3	µm
Melt Flow (230°C/2.16kg)	ASTM D1238	3-4	g/10 min
Moisture Content	ASTM D644	< 0.12	%

1. Particle size, moisture, and test-method data are taken from the producer's published family data for calcium carbonate filler masterbatch; carrier resin content and melt flow are grade-specific typical values for this process-aid product. Grade-specific certificate of analysis supplied per lot at order.

2. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.