

MASTERBATCH**MASTERBATCH CA-P75K****PP CALCIUM CARBONATE FILLER MASTERBATCH**

This high-flow filler masterbatch combines a high loading of calcium carbonate with a polypropylene carrier resin and processing additives, formulated for lamination-grade film and general PP conversion where higher melt flow is needed for thin gauges and fine dispersion. It offers high whiteness and good compatibility with the base resin while reducing raw-material cost.

Typical Application

- PP woven bag / lamination film at 8-18% loading
- PP injection molding and extrusion at 5-25% loading
- Laminated film structures requiring high-flow filler dispersion

Product Characteristics

- High-flow grade for lamination and thin-film applications
- High whiteness with excellent calcium carbonate dispersion and resin compatibility
- Improves surface finish and processability at high line speeds
- Uniform 2-3 mm granule for consistent metering and blending

Physical Properties

Properties	Test Method	Typical Value	Unit
Carrier Resin + Additives		15-30	%
Calcium Carbonate Content		70-85	%
Calcium Carbonate Particle Size (Malvern Mastersizer 2000)		1-3	µm
Melt Flow (230°C/2.16kg)	ASTM D1238	40-60	g/10 min
Moisture Content	ASTM D644	< 0.12	%
Density		1.6-1.9	g/cm ³
Granule Size		2-3	mm

1. Typical values per the producer's published family data for PP calcium carbonate filler masterbatch; melt flow reflects the grade-specific typical figure for this high-flow lamination grade (family range 5-40 g/10 min at 230°C/2.16kg). 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.