

TECHNICAL DATASHEET

Filler Masterbatch QFM-008

PRODUCT DESCRIPTION

QFM-008 is a mixture of superfine CaCO₃ powder, LLDPE resin, and additives. It helps plastic manufacturers cut production costs by replacing polymer resin in the final product manufacturing and improving final properties of products such as stiffness, smoothness, dispersion, surface printing, antifiame, etc.

TYPICAL APPLICATIONS

Blowing Film (Dosing ratio: Up to 50%)
Blow Moulding (Dosing ratio: Up to 40%)
Wovens Bags (Dosing ratio: Up to 60%)
Injection Moulding (Dosing ratio: Up to 40%)
Roto Moulding (Dosing ratio: Up to 25%)
Extruded PE pipe (Dosing ratio: Up to 20%)

Note: All the recommended dosing ratios are based on feedback from our current customers. The actual dosing ratio depend on how customers use our products.

TYPICAL PROPERTY VALUES

PROPERTY	UNIT	STANDARD VALUE	METHOD
CaCO ₃ content (superfine quality)	% wt	83	ASTM D 5630
Carrier Resin	-	LLDPE	-
MFI (190/2.16)	g/10mins	1	ASTM D 1238
CaCO ₃ particle size (D50)	Micron	1	Malvern
Water Content	% wt	0.02	ASTM D 644

COMPLIANCE WITH REGULATORY STANDARDS

The ingredients contained in this Masterbatch meet the criteria specified by the US for FDA regulations, guaranteeing their suitability for safe use in applications related to food contact.

STORAGE AND HANDLING

This product requires dry and clean storage conditions.
This product needs to be used immediately after being opened.
Goods can be stored for up to 2 years if they are palletized and shrink-wrapped.
Dry the materials before use if you find humidity inside the bags or add 1 - 3% of desiccant masterbatch.

PROCESSING GUIDELINES

When starting using the material, it is advised to adjust the processing temperature, line speed, and necessary machine parameters to optimize results, ensuring efficient and robust plastic processing.

Start with a low loading ratio and gradually increase until the maximum loading is attained.

The processing temperature should be set within the range of 120°C to 230°C, in accordance with the resin's processing temperature.