

TECHNICAL DATASHEET

Filler Masterbatch QFM-003

PRODUCT DESCRIPTION

QFM-003 is produced with the highest quality standard by using super-fine CaCO₃ powder, virgin LLDPE resin, and quality processing additives. Our CaCO₃ filler masterbatch is not only a great solution of cost saving in plastic production but also a must choice for improving the properties of final products with its consistent quality.

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 depends on customer's quality requirement, or each as recommended from producer

TYPICAL PROPERTY VALUES

PROPERTY	UNIT	STANDARD VALUE	METHOD
CaCO ₃ content	% wt	82 ± 0.5	ASTM D 5630
Carrier Resin	-	LLDPE	-
MFI (190/2.16)	g/10mins	1	ASTM D 1238
CaCO ₃ particle size (D50)	Micron	1.5	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.
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.