

Technical details

PRODUCT: Compostable and biodegradable FILLER MASTERBATCH

CODICE: EF BIO 70 (BIO MATES 01)

Product:

This production is a type of compostable and biodegradable filler masterbatch. It is produced in twin screw extruder and represents the latest technology for the production of this type of material.

General description:

The product contains calcium carbonate, biodegradable compostable resin and some additives. It is suitable for extrusion film, blow molding. In this production, there is fine dispersion, no agglomeration, and it produces a final product that is transparent and brighter, smoother surface, food biodegradable and compostable.

Technical analysis:

Physical Properties:

Physical properties of the product	Experimental method	Unit of measure	Result
Content of carbonate calcium (CaCO ₃)	ASTM D 5630	wt %	70 ± 1
Bio Resine		wt %	28
Mass flow rate of fusion (190°C/2.16kgs)	ASTM D 1238	g/10 mins	4.5
Melting temperature	DSC	°C	100
Density	ASTM D1895	g/cm ³	1.35 ± 0.1
Particles size	ASTM D 644	wt %	< 0.1

Additives: dispersing agent, coadjuvant (2%)

Processing Temperature: 125-160° C

Utilization rate: 5-20%

Granule size: 3 × 3 mm (± 0,3)

Vector resin: resin matrix

Compatibility: resin compostable e biodegradable

Packaging: 25 kg / PE bag (or 1100 kgs/jumbo bag)

Storage: keep in a dry place

Attention:

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