

MBFP CAL

Masterbatch of CaCO₃ + PP

Grade : MBFP TC- P1

Applications

1. Flat yarn
2. Strapping band
3. Injection molding, blow molding, extrusion molding

Features

1. MBFP TC-P1 is a PP-based masterbatch containing ultra-fine calcium carbonate. It is grayish white color with excellent dispersibility.
2. It can be mixed with PP resin for extrusion, thermal forming, injection etc. and is easy to disperse with good compatibility. It functions as a modifier to improve the heat resistance, gloss, flexural strength, size stability, printability and texture. It also reduces heat release from burning and therefore prevents further environmental pollution.

Processing suggestions

1. General loading at 5~20 % with variation according to the product.
2. The processing temperature is set according to resin' s processing temperature. Generally at 240±30°C.

Basic properties

1. MBFP TC-P1 properties

Properties	Test method	Unit	Typical value
Base material	PP, APP
CaCO ₃ content	%	80
Density@23°C	ASTM D1505	g/cm ³	1.8
MI@2.16kg/190°C	ASTM D1238	g/10mins	3~23
Moisture	IR moisture meter	%	< 0.25
Shape	granule	2~3mm ^φ

2. Injection sheet properties of MBFP TC-P1 mixing with YUNGSOX PP-3080

Properties MBFP TC-P1(%)	Tensile strength at break (kg/cm ²)	Flexural modulus (kg/cm ²)	IZOD Impact strength (kg·cm/cm)
0	266	10247	10.2
5	263	10702	9.1
10	257	11137	8.1
15	244	11737	7.5
20	241	12588	6.5
30	208	13645	6.0

Packing : 25kg/bag