

MBFP NANO-CAL

Master batch of Nano CaCO₃ + LLDPE

Grade : MBFP NC-K0117

Applications

1. PE shopping bags & garbage bags.
2. PE industrial films, packaging materials & containers etc.

Features

1. MBFP NC-K0117 is a LLDPE-based master batch containing 70% calcium carbonate. It is grayish white with excellent dispersibility.
2. It can be mixed with PE resin for film blowing, casting, extrusion etc. and is easy to disperse with good compatibility. It functions as a modifier to improve the heat resistance, slip resistance, size stability, printability and texture. It also reduces heat release from burning and therefore prevents further environmental pollution.

Processing suggestions

1. General loading is recommended at 5~20% with variation according to the products.
2. The processing temperature is set according to resin' s processing temperature and it applies well among 220±40°C.

Basic properties

1. MBFP NC-K0117 properties

Properties	Test method	Unit	Typical value
Base material	LLDPE
CaCO ₃ content	%	70
(MI)@2.16kg/190°C	ASTM D1238	g/10mins	1.4
Density@23°C	ASTM D1505	g/cm ³	1.75
Moisture	IR moisture meter	%	< 0.20
Shape	granule	3~4mm ^φ

2. Blown film properties of MBFP NC-K0117 mixing with TAISOX[®] HDPE-9001

Properties MBFP NC-K0117(%)	Tensile strength at break (kg/cm ²)	Elongation at break (%)
0	504	456
5	490	381
10	481	382
15	464	383
20	432	371
30	332	368

薄膜加工條件：吹袋比=3.5，膜厚20 μm

五、包裝：25kg/bag