

TECHNICAL DATA SHEET

DA – 43PE

FILLER MASTERBATCH

ISSUE 09/2022

General Description

DA – 43PE is a type of filler masterbatch containing 82% super fine Calcium Carbonate in the basic LLDPE. It is able to reduce volume formulation cost of the end-products, however it doesn't affect the quality (color, purity, dispersion and the smooth of product's surface). Moreover, **DA – 43PE** enhances the impact, surface's hardness, the duration of strength and elongation for products.

Technical Analysis

Physical Properties:

No	Items	Method of experiment	Value	Unit
1	CaCO ₃ content	ASH TESTER	82.0 ± 0.5	% wt
2	Carrier Resin LLDPE and Additive content	ASH TESTER	18.0 ± 0.5	% wt
3	Bulk density	ASTM D1895	1.2 ± 0.05	g/cm ³
4	MFI (190 ⁰ C/5kg)	ASTM D1238	2 – 6	g/10min
5	Particle size of CaCO ₃	Malvern 3000	3.0 ± 0.2	µm
6	Particle size of Filler masterbatch	-	2 – 3	mm
7	Moisture content	IR	<0.08	%

Application

- Compatibility : PE
- Processing Temperature : 120 - 300°C
- Main Application : Blowing film (HDPE, LLDPE, LDPE) with thickness of film from 12µm and more,
Injection/extrusion molding, casting film...

- Filling rate : **10 - 40%**

Storage and packaging

- Keep at dry and cool place
- Packing: 25 kg/PP or PE bag

Medical Norm

Attain the Safety Norm for Health and Foodstuff issued by Vietnam Directorate for Standards and Quality allow the decision 3339/2001/QD-BYT promulgated by Vietnam Ministry of Health. Safety apply for handling process. No healthy damage infected.

Important note: *The above values are for reference only and should not be used for specification. These values are intended as a general guide and do not represent any warranty or guarantee of particular performance.*

QC Department