

POLYBATCH® AB 35 VT

Product Description

These next generations POLYBATCH® antiblock and slip have improved optical properties as well as slip and antiblock properties compared to amorphous silicas. Because of the special round shape of the antiblocking agent, there is no "adsorption" of slip agent on its surface, the total system has a better dispersion and there are no problems with moisture pick-up.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	
Uses	• Masterbatch		
Agency Ratings	• EU 2002/72/EC ¹	• FDA 21 CFR 177.1520	• FDA 21 CFR 177.1520(c) 2.2
Processing Method	• Blown Film • Cast Film	• Double-Bubble Film • Extrusion Coating	• Oriented Flat Film • Sheet Extrusion

Physical	Nominal Value (English)	Nominal Value (SI)
Specific Gravity	0.952	0.950 g/cm ³
Bulk Density	31.2 lb/ft ³	500 kg/m ³
Melt Volume Index (190°C/2.16 kg)	0.15 to 0.18 in ³ /10min	2.5 to 3.0 cm ³ /10min
Moisture Content	< 1000 ppm	< 1000 ppm

Usage

POLYBATCH® AB 35 VT and ZSU 535 VTE are used at 2 - 5% in LDPE, LLDPE and EVA, with following results:

- Base resin : LDPE MFI 2, Density 0.920, no additives
- Dilution : 3%
- Film Thickness : Cast film of 50 micron

Regulatory

POLYBATCH® AB 35 VT and ZSU 535 VTE can be used in Polyethylene films for food-packaging according:

- FDA: Approved
- EEC: Approved
- BgVV: Approved

Packaging & Storage

POLYBATCH® AB 35 VT and ZSU 535 VTE are packed in 25 kg PE bags on shrink-wrapped pallets.

POLYBATCH® AB 35 VT and ZSU 535 VTE can be stored up to maximum 1 year at 25°C for optimum performance. Higher temperatures might reduce storage time considerably.

Notes

¹ Commission Directive 2002/72/EC and its successive amendments up to and including 2009/975/EC.