

POLYBATCH® AB PP 05 SC

Product Description

POLYBATCH® ABPP are antiblocking masterbatches containing synthetic silica. The addition of an antiblocking masterbatch avoids blocking during wind-up, regulates the slip and anti-static properties of additivated films and allows a smooth unwinding and slitting of the reels.

Free flowing pellets containing:

ABPP 05 SC: 5 % synthetic silica in terpolymer PP

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Uses	• Masterbatch		
Agency Ratings	• EU 2002/72/EC ¹	• FDA 21 CFR 177.1520(c) 3.1	• FDA 21 CFR 177.1520(c) 3.2
Appearance	• Off-White		
Forms	• Pellets		
Processing Method	• Blown Film • Cast Film	• Double-Bubble Film • Oriented Flat Film	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Additive Content (Silica, Synthetic)	5.0 %	5.0 %	
Specific Gravity	0.942	0.940 g/cm ³	DIN 53479
Bulk Density	31.2 to 37.5 lb/ft ³	500 to 600 kg/m ³	DIN 53466
Melt Flow Index (230°C/2.16 kg)	5.0 g/10 min	5.0 g/10 min	DIN 53735
Moisture Content	< 600 ppm	< 600 ppm	SCHULMAN 438

Usage

POLYBATCH® ABPP anti-blocking masterbatches are characterized by their excellent dispersion. The POLYBATCH® ABPP 02 and 02 SC contain virtually no agglomerates. The synthetic silica in the POLYBATCH® ABPP has been selected for its good optical properties.

For PLAIN films ABPP 02 and 05 are recommended to minimize the loss in rigidity. The ABPP 02 SC and 05 SC are for HEAT-SEALABLE films. ABPP 10 is mostly used in tape base films only.

POLYBATCH antiblocking masterbatches are normally added in the skin only.

Recommended addition rates:

- 1 to 2 percent POLYBATCH ABPP 10
- 2 to 3 percent POLYBATCH ABPP 05 or ABPP 05 SC.
- 5 to 6 percent POLYBATCH ABPP 02 or ABPP 02 SC.

Packaging & Storage

Antiblocking masterbatches are hygroscopic and therefore packed in 20 or 25 kg moisture proof bags, on stretch-wrapped 1000 or 1250 kg pallets. POLYBATCH® ABPP can be stored up to maximum 12 months 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.