

POLYPET® PT AB 050

Product Description

POLYPET® PT AB 050 & POLYPET® PT AB 050 G are antiblocking masterbatch which combines good optical properties and high scratch resistance. Both are recommended for all kind of PET films type cast, blown and BOPET. The addition of an antiblocking masterbatch avoids blocking during wind up, regulates the slip and antistatic properties of additivated films and allows a smooth unwinding and slitting of the reels.

POLYPET® PT AB 050 & POLYPET® PT AB 050 G should be selected when

- the standard antiblocking masterbatches based on synthetic silica cause too many scratches when the film runs over metal surfaces. POLYPET® PT AB 050 & POLYPET® PT AB 050 G are recommended for metallizable films.
- the standard antiblocking masterbatches based on synthetic silica cause objectionable optical defects or too high surface roughness.

POLYPET® PT AB 041 & POLYPET® PT AB 041 G are respectively the higher concentrated masterbatch equivalents.

Free flowing pellets containing :

- PT AB 050: 5% synthetic silicate in cPET
- PT AB 050 G: 5% synthetic silicate in PETG
- PT AB 041: 15% synthetic silicate in cPET
- PT AB 041 G: 15% synthetic silicate in PETG

General

Material Status	• Commercial: Active		
Availability	• Europe		
Uses	• Masterbatch		
Forms	• Pellets		
Processing Method	• Blown Film	• Cast Film	• Oriented Flat Film

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Additive Content (Silica, Synthetic)	5.0 %	5.0 %	
Moisture Content	< 200 ppm	< 200 ppm	SCHULMAN 438
Intrinsic Viscosity	0.55 to 0.68	0.55 to 0.68	

Usage

POLYPET® PT AB 050 & POLYPET® PT AB 050 G have an inorganic antiblocking agent with an unique particle size distribution which makes it particularly suitable for METALLIZATION. The haze and the COF with POLYPET® PT AB 050 & POLYPET® PT AB 050 G are lower than with synthetic silica.

Recommended addition Rate:

POLYPET® PT AB 050 & POLYPET® PT AB 041 are suitable for thin plain- and coextruded film, non-heatsealable. Dilutions into homopolymer PET and copolyesters. No use in PETG !

POLYPET® PT AB 050 G & POLYPET® PT AB 041 G are suitable for thin plain- and coextruded film, heatsealable. Dilutions into PETG only !

The dosing level is depending of the filmthickness and application. application --> Typical dosing : 1 to 4%.

Masterbatches can be used to reinforce the antiblocking properties of formulated PET resins.

Remark

This product is still in the development stage. A.Schulman reserves the right, at its sole discretion, to modify and-or discontinue the manufacturing of this product at any time. Purchaser shall make its own independent interpretation of the Product's performance, suitability, acceptability and fitness for a particular purpose.

Packaging & Storage

POLYPET® are packed in 20 or 25 kg moisture proof bags, on stretch wrapped 1,000 or 1250 kg pallets. Open bags must be used immediately. POLYPET® can be stored up to maximum 6 months at 25°C for optimum performance. Higher temperatures might reduce storage time considerably.