

# POLYBATCH® F 20

## Product Description

POLYBATCH® F 20 is an antiblock masterbatch containing 20% natural silica based in polyethylene. Both the particle size and dispersion of POLYBATCH® F 20 have been optimized to offer effective antiblocking performance with good optical properties in polyethylene film applications.

The addition of antiblock masterbatches in film avoids blocking during wind-up, regulates the slip and antistatic properties of films, allows smooth unwinding of the rolls, and improves handling at the converter and the end-user.

## General

Material Status	• Commercial: Active
Availability	• North America
Uses	• Masterbatch
Processing Method	• Blown Film • Cast Film

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Additive Content (Ash)	20.0 %	20.0 %	ASTM D5630
Specific Gravity	1.04	1.04 g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (190°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238

## Usage

Blocking is defined as the adhesion between two adjacent layers of film. It may arise during processing, storage, conversion or usage. Blocking also occurs in tightly wound rolls or in sheets stacked under pressure. In the latter case, REBLOCKING is frequently found. Blocking and reblocking tendency is measured as the force necessary to separate two layers of film, after conditioning at controlled temperature and pressure.

In most cases, recommended addition rates are:

- 2.0 percent for 50 micron film
- 1.5 percent for 75 micron film
- 1.0 percent for 100 micron film
- 0.7 percent for 150 micron film

## Regulatory

POLYBATCH® F 20 is made only from FDA recognized materials. Usage restrictions may apply. Detailed information is available upon request.

## Packaging & Storage

POLYBATCH® F 20 is typically packaged in polyethylene-lined gaylords or polyethylene bags. POLYBATCH® F 20 can be stored for up to a maximum of 12 months at 25°C for optimum performance. Higher temperatures might reduce storage time considerably.