

# POLYBLAK® 1423 HF

## Product Description

POLYBLAK® 1423 HF is a special carbon black masterbatch especially designed for blown and cast film extrusion where a higher MFI is required.

POLYBLAK® 1423 HF contains 40 % fine dispersed P-type carbon black in high MFI polyethylene.

## General

Material Status	• Commercial: Active		
Availability	• Europe		
Uses	• Masterbatch		
Processing Method	• Blown Film • Cast Film • Continuous Filament/Spinning	• Extrusion Blow Molding • Foam Extrusion • Pipe Extrusion	• Sheet Extrusion • Spunbond Nonwovens

Physical	Nominal Value (English)	Nominal Value (SI)
Additive Content (Carbon Black, P-type)	40.0 %	40.0 %
Specific Gravity	1.15	1.15 g/cm <sup>3</sup>
Bulk Density	43.7 lb/ft <sup>3</sup>	700 kg/m <sup>3</sup>
Moisture Content	< 1500 ppm	< 1500 ppm
Heat Stability	572 °F	300 °C
Light Fastness	8	8
Weather Fastness	5	5

## Usage

POLYBLAK® 1423 HF is a super high flow grade and is recommended for lamination films that require excellent dilution and dispersion in thin films. POLYBLAK® 1423 HF is also used for the colouring of blow and injection moulded parts where good UV-resistance is required.

For injection and blow moulding applications we recommend an addition rate of 1 to 7 % POLYBLAK® 1423 HF, depending on the opacity required.

A higher addition rate for film applications is also possible. For agricultural films where a UV-stability for several years is requested we recommend an additional dosage of 1 to 3 % of POLYBATCH® UVK 90 as a kind of heat stabiliser (black films heat up more than white films and are therefore more sensitive to oxidative degradation).

## Remark

This formulation does not contain diarylide pigments.

## Regulatory

POLYBLAK® 1423 HF can be used in food-packaging according to:

- FDA: not approved
- EEC (2002/72): max. 6,25 % dosage

Detailed information available upon request.

## Packaging & Storage

POLYBLAK® 1423 HF is packed in 25 kg polyethylene bags on 1250 kg shrink-wrapped pallets. The storage should not exceed 12 months for optimum performance.