

POLYBLAK® 1423

Product Description

POLYBLAK® 1423 is a special carbon black masterbatch for the colouring of extruded and injection moulded polyolefins.

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

General

Material Status	• Commercial: Active		
Availability	• Europe		
Uses	• Masterbatch		
Agency Ratings	• EU 2002/72/EC ¹		
Appearance	• Black		
Processing Method	• Blown Film	• Foam Extrusion	• Spunbond Nonwovens
	• Cast Film	• Oriented Flat Film	• Wire & Cable Extrusion
	• Continuous Filament/Spinning	• Pipe Extrusion	
	• Extrusion Blow Molding	• Sheet Extrusion	

Physical	Nominal Value (English)	Nominal Value (SI)
Additive Content (Carbon Black, P-type)	40.0 %	40.0 %
Specific Gravity	1.14	1.14 g/cm ³
Bulk Density	44.9 lb/ft ³	720 kg/m ³
Moisture Content	< 1500 ppm	< 1500 ppm
Heat Stability	572 °F	300 °C
Light Fastness	8	8
Weather Fastness	5	5

Usage

POLYBLAK® 1423 is especially suited for the colouring of polyethylene used for the production of LDPE- and HDPE-films where highest opacity and dispersion of carbon black is needed. POLYBLAK® 1423 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, 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 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 is packed in 25 kg polyethylene bags on 1250 kg shrink-wrapped pallets. The storage should not exceed 12 months for optimum performance.

Notes

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