# 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 <sup>1</sup>			
Appearance	Black			
Processing Method	<ul> <li>Blown Film</li> <li>Cast Film</li> <li>Continuous Filament/Spinning</li> <li>Extrusion Blow Molding</li> <li>Foam Extrusion</li> <li>Oriented Flat Film</li> <li>Pipe Extrusion</li> <li>Sheet Extrusion</li> <li>Sheet Extrusion</li> </ul>			

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 <sup>3</sup>	
Bulk Density	44.9 lb/ft <sup>3</sup>	720 kg/m³	
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
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This formulation	does not co	ontain diarvlide	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

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

Page: 1 of 1

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