

# POLYBLAK® 1427

## Product Description

POLYBLAK® 1427 is a high stabilised carbon black masterbatch for the colouring of polyolefins for extrusion and pipe applications where a high OIT is required.

POLYBLAK® 1427 contains 40 % fine dispersed special P-type carbon black and antioxidant in polyethylene.

## General

Material Status	• Commercial: Active
Availability	• Europe
Uses	• Masterbatch
Agency Ratings	• EU 2002/72/EC <sup>1</sup>
Appearance	• Black
Processing Method	• Blown Film                      • Cast Film                      • Pipe 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 <sup>3</sup>
Bulk Density	44.9 lb/ft <sup>3</sup>	720 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® 1427 is especially suited for the colouring of LDPE- and HDPE-films where highest opacity and dispersion of carbon black is needed. POLYBLAK® 1427 is also used for the colouring of blow moulding and injection moulding parts where long-term UV- and heat stability are required.

For injection and blow moulding applications we recommend an addition rate of 1 to 7 % POLYBLAK® 1427, depending on the opacity required. A higher addition rate for film applications is also possible.

## Remark

This formulation does not contain diarylide pigments.

## Regulatory

POLYBLAK® 1427 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® 1427 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.