

BLACK POLYETHYLENE MASTERBATCH FOR  
FILM, EXTRUSION AND COMPOUNDING



## PLASBLAK® PE1371



PLASBLAK® PE1371 is designed for high quality packaging film and agricultural film, requiring maximum protection against UV light degradation. It can also be used in general extrusion, moulding and cable sheathing applications.

This product is suitable for use in a wide range of plastics that come into contact with food. For more details regarding the food contact compliance in various European countries, please refer to the relevant Food Contact Statement that you can obtain through your usual Cabot representative.

### **METHOD OF ADDITION**

PLASBLAK® PE1371 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

### **ADDITION RATE**

The amount of masterbatch added depends on the performance requirements of the final application. Typical addition rates vary from 2% to 7% masterbatch.



**Cabot Corporation**

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## PHYSICAL PROPERTIES

PROPERTY	VALUE	TEST METHOD (*)
Carrier	LDPE	
Pigment	40% P-type carbon black	
Compatibility	LDPE, LLDPE, HDPE, PP, ethylene copolymers	
Density @ 23°C	1140 kg/m <sup>3</sup>	CTM E023
MFI 21.6 kg/190°C	22 g/10 min	CTM E005 (ISO 1133)

(\*) Tests are performed according to Cabot Test Methods (CTM) based on international Standards

## Impact on physical properties of LDPE

Influence of a 6.25% addition of PLASBLAK® PE1371 (2.5% carbon black) in natural LDPE

Property	Test method	Unit	Natural LDPE	LDPE + 6.25% PE1371
Density @23°C	CTM E023	kg/m <sup>3</sup>	925	934
Vicat softening point	ISO 306	°C	94	93
MFI 2.16 kg/190°C	CTM E005 (ISO 1133)	g/10 min	2.3	2.4
Tensile strength at break	ISO R527	MPa	15.1	14.7
Tensile strength at yield	ISO R527	MPa	10.3	10.9
Elongation at break	ISO R527	%	530	530

Quoted test results should not be used for specification purposes but are typical values intended for guidance only.

## PACKAGING

PLASBLAK® PE1371 is supplied in regular pellet form packed in 25 kg bags. It should be stored in a dry place. It can also be supplied in micropulverised form under code PM1371.

Recommended storage life: up to 1 year provided it is stored as directed.

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