

# PLASBLAK® PE6370 Black Masterbatch



### Black Polyethylene Masterbatch for GM13 Geomembrane

PLASBLAK PE6370 black masterbatch is a specially formulated polyethylene masterbatch suitable for the production of geomembranes that have to comply with the GM13 standard. This masterbatch is made from a finely dispersed carbon black grade combined with a highly effective thermal and light stabilization package and meets the Oxidative Induction Time (OIT) and High Pressure Oxidative Induction Time (HP-OIT) requirements as specified by GM13 standard.

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 Cabot representative.

### Method of Addition

PLASBLAK PE6370 black masterbatch 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 5 % to 7.5 % masterbatch in order to get 2 % to 3 % carbon black in the geomembrane as specified by the GM13 standard.

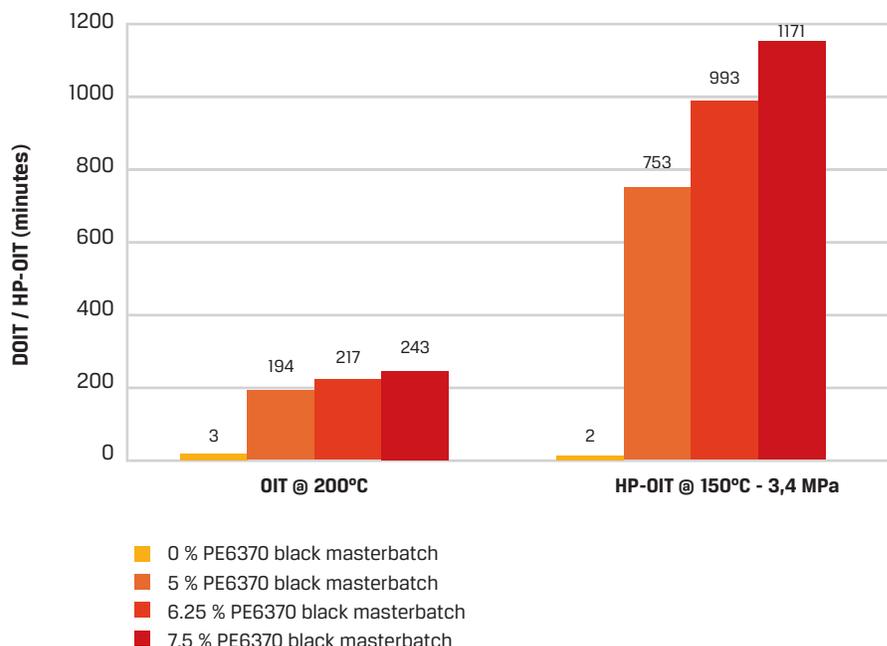
Typical Properties		
PROPERTY	VALUE	TEST METHOD
Carrier	polyethylene	-
Pigment	40 % carbon black	-
Additive	Antioxidant and UV stabilizer	-
Compatibility	LLDPE, MDPE, HDPE, PP	-
Density @ 23°C	1180 kg/m <sup>3</sup>	CTM E023*
MFI 190°C/10 kg	9 g/10 min	ISO 1133

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

The data in the table above are typical test values intended as guidance only, and are not product specifications. Product specifications are available upon request from your Cabot representative.

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OIT and HP-OIT measured on compounds made from HDPE Repsol Alcudia TR131 resin together with various addition levels of PLASBLAK PE6370 black masterbatch.



OIT and HP-OIT tests were performed in accordance with ASTM D3895 and ASTM D5885 standards respectively. GMI3 standard requires minimum 100 minutes OIT and minimum 400 minutes HP-OIT under those test conditions.

## Packaging

PLASBLAK PE6370 black masterbatch is supplied in regular pellet form packed in 25 kg bags. It should be stored in a dry place.

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



www.cabotcorp.com

### NORTH AMERICA

Cabot Corporation Business and Technical Center  
157 Concord Road  
Billerica, MA 01821-7001  
USA  
**TEL** +1 800 462 2313  
**FAX** +1 978 670 7035

### SOUTH AMERICA

Cabot Latin American Division  
Rue do Paraíso, 148 - 5º andar  
04103-000, Sao Paulo, SP BRAZIL  
**TEL** +55 11 2144 6400  
**FAX** +55 11 3253 0051

### EUROPE

SIA Cabot Latvia  
101 Mukusalas Street  
Riga, LV-1004, LATVIA  
**TEL** +371 6705 0984  
**TEL** +371 6705 0900  
**FAX** +371 6705 0985

### MIDDLE EAST/AFRICA

Cabot Specialty Chemicals  
Jebel Ali Free Zone  
LOB 15, Office 424  
Dubai  
UNITED ARAB EMIRATES  
**TEL** +971 4 8871 800  
**FAX** +971 4 8871 801

### ASIA PACIFIC

Cabot China Ltd.  
558 Shuangbai Road  
Shanghai 201108, CHINA  
**TEL** +86 21 5175 8800  
**FAX** +86 21 6434 5532

### JAPAN

Cabot Specialty Chemicals, Inc.  
Sumitomo Chiba-Daimon Bldg. 3 F  
2-5-5 Shiba Daimon,  
Minato-ku, Tokyo 105-0012, JAPAN  
**TEL** +81 3 6820 0255  
**FAX** +81 3 5425 4500

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