

PLASBLAK® PE1371 BLACK MASTERBATCH

Product highlights

PLASBLAK® PE1371 black masterbatch is designed for high quality packaging and agricultural films requiring enhanced protection against UV light degradation. It can also be used in general extrusion, molding 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 countries, please refer to the relevant Food Contact Statement available from your usual Cabot representative.



Method of addition

PLASBLAK® PE1371 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 can range from 2% to 7% masterbatch.

TYPICAL PROPERTIES			
PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
Carrier	LDPE	-	-
Pigment	40% P-type carbon black	-	-
Compatibility	LDPE, LLDPE, HDPE, PP, ethylene copolymers	-	-
Density @23°C	1140	kg/m ³	ISO 1183
MFI 21.6 kg/190°C	27	g/10 min	ISO 1133

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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Impact on physical properties of LDPE

The addition of 6.25% PE1371 black masterbatch to the LDPE resin to produce a compound with 2.5 wt% carbon black has no significant influence on the properties of the base resin.

PROPERTY	TEST METHOD	UNIT	NATURAL LDPE	LDPE + 6.25% PE1371
Density @23°C	ISO 1183	kg/m ³	925	934
Vicat softening point	ISO 306	°C	94	93
MFI 21.6 kg/190°C	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

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Product form and logistics

- ◆ Product form: pellets or in micro-pulverized form under product code PM1371
- ◆ Regional availability: global
- ◆ Packaging option: 25 kg bags

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at cabotcorp.com.

The PLASBLAK name is a registered trademark of Cabot Corporation.

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