

PLASADD masterbatches are designed to modify and enhance the final product and application performance characteristics of a wide range of thermoplastic polymers. Typical examples are process aid masterbatches to solve processing problems and slip/antiblock masterbatches to modify the performance of blown and cast film.

#### ■ Conductive Compounds

Cabot has developed a range of electrically conductive compounds which greatly reduce the risk of catastrophic discharge of electrostatic energy. The conductive properties of the CABELEC range of compounds are permanent and not dependent on temperature or humidity.

The main application areas for CABELEC compounds are:

- electronics packaging such as bags, boxes, reel carrier tapes and trays
- safety applications such as jerry cans, big bags and plastic pallets where there is a risk of explosion
- automotive applications such as components for fuel systems

#### ■ Application Development

To stay on the leading edge of technology, Cabot continuously invests in product development with skilled scientists in its Application Development Centres in Pepinster (Belgium), Shanghai (China) and Billerica (USA).

Examples of development projects include the use of novel processing techniques, development of conductive compounds and development of masterbatches for UV protection, opacity and colouration properties.

The state-of-the-art laboratories are equipped with the latest polymer processing, testing and analytical equipment to meet and anticipate customers' needs. Many technical projects are carried out in close cooperation with customers, suppliers and research institutes. Particularly relevant to the regulated pipe and agricultural film segments is the Pepinster laboratory's capability to test plastics materials for both outdoor and accelerated weathering using Xenon Arc and QUV weatherometers.

The Application Development team also provides extensive technical service, combining processing and application expertise with its analytical services and industry know-how, through close involvement with customers, suppliers and international committees.

#### ■ Technical Support

For local technical support, fully equipped Quality Assurance laboratories are available at each manufacturing plant with analytical facilities in addition to the routine test equipment used for quality testing.



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MASTERBATCHES  
CONDUCTIVE COMPOUNDS



## Masterbatches & Conductive Compounds for Plastics Converters



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**CABOT**  
creating what matters

## Masterbatches & Conductive Compounds for Plastics Converters

Founded in 1882, Cabot Corporation is a world class Performance Chemicals Company. Headquartered in Boston, MA, Cabot operates 39 manufacturing plants in 19 countries and employs nearly 4,200 people.

Cabot Corporation comprises 4 business segments:

1. Core Segment (Rubber Blacks, Supermetals Business, Elastomer Composites);
2. Performance Segment (Specialty Carbon Blacks, Fumed Metal Oxides, Masterbatch, Conductive Compounds)
3. New Businesses (Inkjet Colorants, Aerogel, Fuel Cells )
4. Specialty Fluids Segment (Cesium Formate)



### ■ Corporate Strategy

Cabot delivers earnings growth through leadership in performance materials by striving for excellence in the following areas: Safety, Performance, Innovation, Customers.

#### Safety: continual improvement never stops

- Although Cabot's safety performance in communities around the world is very strong, we're always working to achieve a zero incident environment.
- We're also working to redefine a comprehensive vision and strategy regarding the environment. As an example of how seriously we consider this area, Cabot is the only carbon black producer in China that meets each and every environmental regulation.
- And, Cabot is one of the few companies our size that measures both employee and contractor safety at our sites around the globe – producing a record that is the envy of the chemical industry.

#### Performance: meeting our commitments

- Performance is about accountability, targets, metrics and then tracking execution. It's also about rewarding employees for performance. Of course, a pre-requisite for accountability is having a strong values-based culture of integrity and compliance. Then, committing and delivering on commitments we make to our co-workers, communities, customers and shareholders.

#### Innovation: technology is Cabot's foundation

- Cabot's 100-year history of innovation is very strong. Our employees share an entrepreneurial spirit, enabling us to create differentiation in all parts of the company – from new product development to administrative functions. While Cabot has a long history of technical product innovations, a current focus is to extend our innovative spirit to our own business processes, customer service functions and commercial activities in order to lower costs and improve profit.

#### Customers: becoming the supplier of choice

- Cabot's goal is to become the preferred supplier of our customers – globally and locally – and to continue to understand their emerging needs so that we can produce the products our customers want tomorrow.



### ■ Cabot Plastics

Cabot Plastics is the Masterbatch and Conductive Compounds Business, part of the Performance Segment. Cabot is a world leading manufacturer of black masterbatches and conductive compounds with a supporting range of white and additive masterbatches.

Cabot started manufacturing masterbatches in 1961. Cabot Plastics now operates 3 plants in Europe (Belgium and Italy), 1 in Asia (Hong Kong) and 1 plant in the Middle East (Dubai). The total capacity exceeds 100,000 tonnes and all current manufacturing facilities are ISO 9001:2008 accredited.

### ■ Products and Applications

Cabot is a global supplier of high performance masterbatches for use in all segments of the plastics conversion industry. With over 40 years experience in design, development and commercialisation of products for the plastics conversion industry, Cabot offers black, white, grey and additive masterbatches as well as conductive compounds marketed respectively under the trademarks PLASBLAK®, PLASWITE®, PLASGREY®, PLASADD® and CABELECC®.

Cabot's masterbatches and conductive compounds include industry standard, application-focused and tailor-made products for individual customer's needs. All masterbatches and conductive compounds are manufactured and supplied in dust-free regular pellet form to offer customers ease of handling, to avoid contamination problems and ensure a safe and clean environment.

### ■ Masterbatches

Cabot's masterbatches are designed to give opacity, colour and UV weathering protection to a wide range of thermoplastic polymers.

PLASBLAK masterbatches are engineered with the benefit of Cabot's leading position in carbon black technology together with its expertise in plastics processing and applications. Each product offers a performance solution to meet customer needs in a range of extrusion and moulding applications. For example, PLASBLAK masterbatches can offer a highly efficient means to provide long-term weathering protection in outdoor applications.

The PLASBLAK range is formulated to meet the demands of a diverse range of applications and markets from pipe, cable and agricultural film requiring outstanding weathering performance and compliance to international standards, to the injection moulding of consumer goods demanding high gloss and intense black colouration.

PLASWITE masterbatches are high quality, well dispersed products used to provide excellent white pigmentation characteristics and processing across a wide range of polymers. Each masterbatch is specially formulated for applications ranging from high quality white film for food packaging, through to economic products for disposable articles.

