

# PLASBLAK<sup>®</sup> MASTERBATCHES

## PRODUCT SELECTION GUIDE





## Performance and leadership in black plastics

Cabot Corporation is a global performance materials company and we strive to be our customers' commercial partner of choice. We have been a leading manufacturer of carbon black and other specialty chemicals for more than 130 years, and we have supplied additives to the plastics industry since its inception.

Our global reach enables us to work closely with customers to meet the highest standards for performance, quality and service. Our global production network and three applications development facilities provide our customers with global service capabilities as well as the latest technical innovations.

## Global reach

**We support customers around the world in our global production and applications development centers**

### ◆ North America

Canada  
Mexico  
United States

### ◆ South America

Argentina  
Brazil  
Colombia

### ◆ Europe, Middle East & Africa

Belgium  
Czech Republic  
France  
Germany  
Italy  
Latvia  
Norway  
Switzerland  
The Netherlands  
United Arab Emirates  
United Kingdom

### ◆ Asia Pacific

China  
India  
Indonesia  
Japan  
Korea  
Malaysia  
Singapore

With approximately 4,500 employees worldwide, we continue to create a diverse environment rooted in values and sustainability.

We operate 44 manufacturing sites in 21 countries, all with local management teams. We have a global footprint in order to serve our customers throughout the world.

## Black masterbatches

We offer carbon black masterbatches to improve the aesthetic performance of plastics and extend their useful life through premium ultraviolet (UV) protection. Industries served include automotive, infrastructure, agricultural, packaging and many others. Our products and services support all processing technologies including all advanced extrusion and molding methods. Our black masterbatches have been formulated to meet application- and polymer-specific needs and are manufactured to exacting standards. Equally important, our technical sales and service teams are available to work with you and provide additional product information and support to aid your selection of the best product for your specific application. Regardless of your application, our black masterbatches provide differentiated performance and reliable quality.

### Our PLASBLAK® brand

We supply a diverse product range of black masterbatch products to meet performance and processability requirements across many industries and end uses. These products are sold under our long-established PLASBLAK masterbatch brand that is synonymous with quality, reliability and high performance. While our PLASBLAK products have performed successfully in plastic applications for decades and are top choices for the industry, we continue to innovate our formulations and develop new products to drive our customers' product performance.



## PLASBLAK masterbatch products

Industry / application	Key performance requirements
<b>Agricultural film and pipe</b>	
Irrigation pipe and tape	UV / weatherability Dispersibility Surface smoothness Mechanical strength
Mulch film	UV / weatherability Opacity Mechanical strength
Silage sheet and bag	
Silage stretchwrap	
<b>Automotive parts</b>	
Interior	Color
Exterior	UV / weatherability Surface smoothness / quality Mechanical strength Dispersibility
Under the hood	
Fuel systems (Conductive / ESD)	<i>We offer CABELECC® conductive compounds and concentrates to meet</i>
<b>Pressure pipe</b>	
Pressure pipe	UV / weatherability Physical and chemical cleanliness Dispersibility
<b>Plastic pipe</b>	
Non-regulated and other pipe	UV / weatherability Color Dispersibility
<b>Geomembranes</b>	
Geomembranes	UV / weatherability Color / opacity Dispersibility Surface smoothness
<b>Wire and wire jacketing</b>	
UV jacketing	UV / weatherability Dispersibility
PVC jacketing	Color Dispersibility
<b>Plastic film and sheet applications</b>	
Non-conductive packaging and lamination	Color / opacity Surface smoothness / quality UV / weatherability Dispersibility
General purpose / utility	Color / opacity UV / weatherability Dispersibility
<b>Plastic molded parts</b>	
Molded parts for consumer products (non-conductive)	Color Surface smoothness Dispersibility Mechanical strength
Molded parts for industrial applications (non-conductive)	
<b>Conductive and ESD applications</b>	
<i>We offer CABELECC conductive compounds and concentrates to meet conductive and ESD needs; please see our CABELECC product literature.</i>	

Suitable PLASBLAK® products								
UN	LL	PE	PP	PA	EG	PS	SA	EV
	LL6259 LL6055 LL4932	PE6213						
		PE2642 PE2640 PE2824 PE1851						
		PE1851 PE2605 PE2640						
	LL4897	PE4780						
UN2014 UN2010				PA3785	EG3807		SA3176	
UN2010 UN2016				PA3785				
<i>conductive and ESD needs; please see the CABELEEC product literature.</i>								
	LL6050 LL2590							
	LL3608 LL4943	PE2824 PE1873 PE2648 PE4462						
	LL4752 PE6370	PE6305 XP6224B						
	LL2590	PE1371						
UN2014 UN2010 UN2016								EVI755
	LL4897	PE6302 PE1371 PE4881 PE2640 PE2272 PE2824	PP6190 PP4623 PP0682					
		PE2640 PE1851 PE2648 PE2824 PE4462						
UN2014 UN2010 UN2016 UN2015 UN2017 UN2019		PE4884 PE2824	PP6190 PP4623 PP0682	PA3785	EG3807	PS4054	SA3176	EVI755

Product naming convention: base resins and polymer compatibility

PLASBLAK® prefix	Base resin	Masterbatch / polymer compatibility						
		PS	ABS and SAN	LDPE and LLDPE	HDPE	PP	PVC	Other
<b>UN</b>	Resin with universal compatibility	●	●	●	●	●	◐	
<b>LL</b> <b>PE</b>	Low-density polyethylene (LDPE) or Linear low density polyethylene (LLDPE)			●	●	◐		
<b>PP</b>	Polypropylene (PP)					●		
<b>PA</b>	Polyamide (PA)							PA
<b>EG</b>	Engineering resin	●	●					PC, PA, PET, PBT, PMMA, POM, PPS
<b>PS</b>	Polystyrene (PS)	●	●					
<b>SA</b>	Styrene acrylonitrile (SAN)	●	●					
<b>EV</b>	Ethylene vinyl acetate (EVA)			●	●		◐	

● = Most products with this prefix are compatible with the polymer

◐ = Some products with this prefix are compatible with the polymer

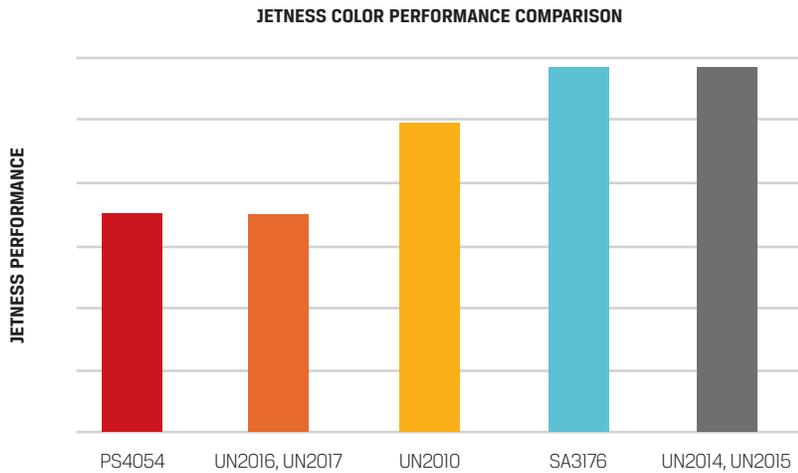
This table provides general information about polymer compatibility but is not exhaustive and some exceptions exist. Regardless of product name, please confirm compatibility with your Cabot representative.



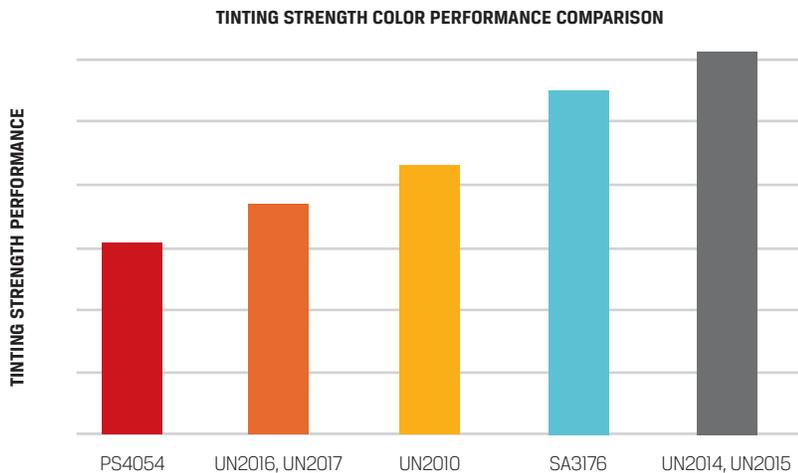
## Relative product performance

Our black masterbatches products provide customers with numerous performance and processing benefits. Among these benefits, color, UV/weatherability and processability are typically the primary selection drivers. Relative color performance of select products in styrenic systems is shown in Figures 1 and 2. For further information to help you select the best product for your specific application, please contact your Cabot representative.

**Figure 1:**  
Styrenic-compatible PLASBLAK black masterbatches



**Figure 2:**  
Styrenic-compatible PLASBLAK black masterbatches



## Additional references

This PLASBLAK® Masterbatches Product Selection Guide provides high-level information about our PLASBLAK masterbatch product offerings. For application-specific products, please refer to application guides available on [cabotcorp.com](http://cabotcorp.com) or contact your Cabot representative.

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