



# THE ROAD AHEAD IN MOLDED PLASTICS

SCROLL BELOW

## LIGHTWEIGHTING

### What does it mean for automotive plastics?

- Plastics are continuing to replace metal in automotive parts. The performance requirements for these new plastic parts are also continuing to increase.
- Demand to reduce the weight of individual parts through foaming and/or thin walled parts.

### How Cabot can help:

- We have the widest product range developed for today's automotive polymers.
- Our specialty carbon blacks offer excellent dispersability and mechanical performance for thin-wall molding

### Cabot products well suited for this performance need:

- BLACK PEARLS® 800 specialty carbon black
- BLACK PEARLS 880 specialty carbon black
- BLACK PEARLS 900 specialty carbon black
- BLACK PEARLS 4840 specialty carbon black

### FACT:



EURO 6 emission standard requires a

>20%

reduction in CO<sub>2</sub> emissions levels from the 2017 average by 2021

## SUSTAINABILITY

### What does it mean for automotive plastics?

- Increasing use of new technologies including bio-based and bio-sourced materials
- Shift toward mold-in-color to replace coatings

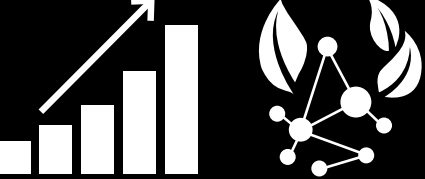
### How Cabot can help:

- Our products are compatible with a wide range of polymers.
- Our global center of excellence in plastics based in Pepinster, Belgium can provide technical guidance to enable the use of new polymers or compete with other technologies.

### Cabot products well suited for this performance need:

- BLACK PEARLS® 800 specialty carbon black
- BLACK PEARLS 4840 specialty carbon black

### FORECAST:



4X Growth

of bio-based polymers from 2015 through to 2020

## AESTHETICS

### What does it mean for automotive plastics?

- Growing demand for "piano black" and high gloss interior/exterior surfaces
- Increasing requirement for smooth, high quality surfaces to achieve high-end appearance

### How Cabot can help:

- We offer high jetness particles for the deepest, blackest color.
- We are committed to the highest quality and batch consistency to meet the most demanding standards.

### Cabot products well suited for this performance need:

- BLACK PEARLS® 800 specialty carbon black
- BLACK PEARLS 880 specialty carbon black

## ELECTRIFICATION

### What does it mean for automotive plastics?

- Deeper need for electromagnetic Interference (EMI) shielding and ESD (electrostatic discharge) in hybrid and electric vehicles
- Better thermal management to maintain performance of automotive batteries

### How Cabot can help:

- Our new conductive carbon blacks for a range of polymers and automotive applications
- Industry leading technical and applications support to assist in developing high performing solutions

### Cabot products well suited for this performance need:

- New expanded range of conductive carbon blacks for ESD including VULCAN® XCmax™22 specialty carbon black (for industry leading ESD)

Citations: [www2.cabotcorp.com/moldedplasticsinfographicsources](http://www2.cabotcorp.com/moldedplasticsinfographicsources)  
This Infographic provides high-level information about Cabot's specialty carbon black product offerings.  
For application-specific products, please refer to respective Cabot literature or contact your Cabot representative.

#### NORTH AMERICA

Cabot Plastics Canada  
707 Pierre Tremblay Boulevard  
Saint-Jean-sur-Richelieu  
QC, J2X 5G5  
Canada  
T +1 450 347 4371  
F +1 450 347 9936

#### SOUTH AMERICA

Cabot Brasil Indústria  
e Comércio Ltda.  
Rua do Paraíso 148 - 5 andar  
04103-000 São Paulo,  
Brazil  
T +55 11 2144 6400  
F +55 11 3253 0051

#### EUROPE

Cabot Specialty Chemicals  
Coordination Center  
SIA Cabot Latvia  
101 Mukusalas Street  
Riga, LV-1004, Latvia  
T +371 6705 0700  
F +371 6705 0985

#### MIDDLE EAST & AFRICA

Cabot Dubai  
P.O. Box 17894  
Jebel Ali Free Zone  
LOB 15, Office 424  
Dubai  
United Arab Emirates  
T +371 6705 0700  
F +371 6705 0985

#### ASIA PACIFIC

Cabot China Ltd.  
558 Shuangbai Road  
Shanghai 201108  
China  
T +86 21 5175 8800  
F +86 21 6434 5532

#### JAPAN

Cabot Specialty Chemicals Inc.  
Sumitomo Shiba-Daimon Bldg. 3F  
2-5-5 Shiba Daimon,  
Minato-ku  
Tokyo 105-0012  
Japan  
T +81 3 6820 0255  
F +81 3 5425 4500

The data and conclusions contained herein are based on work believed to be reliable, however, Cabot cannot and does not guarantee that similar results and/or conclusions will be obtained by others. This information is provided as a convenience and for informational purposes only. No guarantee or warranty as to this information, or any product to which it relates, is given or implied. This information may contain inaccuracies, errors or omissions and CABOT DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AS TO (i) SUCH INFORMATION, (ii) ANY PRODUCT OR (iii) INTELLECTUAL PROPERTY INFRINGEMENT. In no event is Cabot responsible for, and Cabot does not accept and hereby disclaims liability for, any damages whatsoever in connection with the use of or reliance on this information or any product to which it relates.

The BLACK PEARLS and VULCAN names are registered trademarks of Cabot Corporation. The XCmax name is a trademark of Cabot Corporation.