

BLACK PEARLS[®] 800 Specialty Carbon Black



Product Highlights

BLACK PEARLS 800 specialty carbon black sets the industry standard for high jetness black coloration of plastic parts used in diverse, high value, aesthetic applications including automotive and electronics. It is also used in applications where black coloration but low carbon black loadings are required.

Key Applications

BLACK PEARLS 800 specialty carbon black offers an excellent balance of aesthetic performance characteristics, including high jetness and strong blue undertone, and low masterbatch viscosity. These attributes make this product optimal for black coloration of visible molded parts where aesthetic quality is crucial. It can be used for non-matched, high-jetness black color as well as for black color matching. It is appropriate for use across a broad array of resins and molding applications including:

- ◆ Automotive interiors
- ◆ Consumer electronics
- ◆ Home appliances

BLACK PEARLS 800 specialty carbon black can be used in resins for aesthetic applications, including ABS and other styrenics, PC and PC blends, PP, PE, and TPOs. It is also an excellent choice for deep black coloration of polymers that may be sensitive to addition of carbon black, including PA, polyesters, and POM. BLACK PEARLS 800 specialty carbon black is a pelletized product. A non-pelletized carbon black having similar morphology is available in an easier-to-disperse fluffy form as MONARCH 800 specialty carbon black.

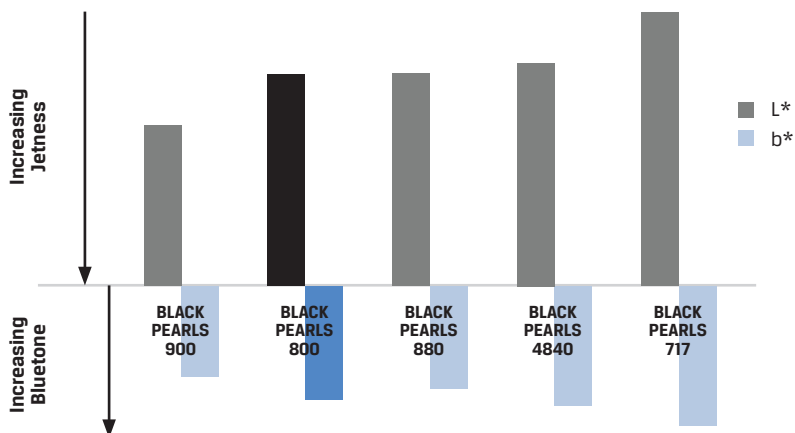
Performance Features

- ◆ Industry benchmark for high jetness and excellent blue undertone
- ◆ Low masterbatch viscosity (which enables high masterbatch loading)
- ◆ Very good dispersability
- ◆ Imparts very good molded part surface quality

BLACK PEARLS[®] 800 Specialty Carbon Black

Relative Color Performance of Cabot Specialty Carbon Black

CIE L*a*b* measurements of SAN plaques containing 1% carbon black



Typical Properties

| PROPERTY | VALUE | TEST METHOD |
|--------------------|-----------------------|-------------|
| Iodine number | 258 mg/g | ASTM D-1510 |
| OAN | 65 cc/100g | ASTM D-2414 |
| 325 Mesh residue | < 200 ppm | ASTM D-1514 |
| Moisture as packed | < 3.0 % | ASTM D-1509 |
| Density @ 23°C | 430 kg/m ³ | ASTM D-1513 |

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

Product Form and Logistics

- ◆ Product Form: Pellets
- ◆ Regional Availability: Global
- ◆ Bag Packaging Options: 20 kg polyethylene-lined paper
- ◆ Bulk Packaging Options: 450 kg FIBC



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

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 MONARCH names are registered trademarks of Cabot Corporation.

©2015 Cabot Corporation.
01/15