

BLACK PEARLS[®] 4840 Specialty Carbon Black



Product Highlights

BLACK PEARLS 4840 specialty carbon black delivers exceptional surface quality and retention of mechanical properties, as well as excellent color performance, for plastic compounds used in electronics and automotive applications.

Key Applications

BLACK PEARLS 4840 specialty carbon black is highly dispersible which allows masterbatch producers and compounders to achieve superior surface smoothness, mechanical performance, and color performance in visible molded parts in applications including:

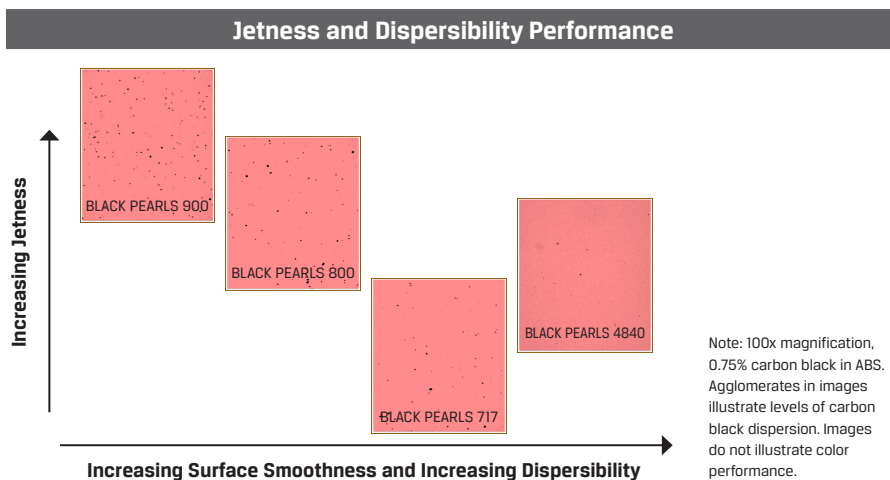
- Consumer electronics
- Automotive interiors and exterior components
- Home appliances
- Other applications where moldings are visible

BLACK PEARLS 4840 specialty carbon black's high levels of dispersibility and color performance make it well-suited for use in engineering resins including ABS, PC, PA, and POM. These performance benefits also make it an excellent choice for polyolefins, TPOs, and formulations where processors typically have difficulty dispersing carbon black. It can be incorporated into a compound via masterbatch or direct addition.

Performance Features

- Exceptional surface smoothness and preservation of polymer mechanical properties
- Excellent jetness and blue tone performance
- High levels of UV protection
- Processing ease due to a high level of dispersibility

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Typical Properties

PROPERTY	TYPICAL VALUES	TEST METHOD
Iodine number (mg/g)	205	ASTM D-1510
OAN (cc/100g)	90	ASTM D-2414
325 Mesh residue (ppm)	<100	ASTM D-1514
Moisture as packed (%)	<3.0	ASTM D-1509
Density (kg/m ³)	430	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 from your Cabot representative.

Product Form and Logistics

Product Form(s)	Pellets
Regional Availability	Global
Bag Packaging Options	20 kg, Polyethylene
Bulk Packaging Options	900 kg, FIBC



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
Cabot Specialty Chemicals
Interleuvenlaan 15 i
3001 Leuven, BELGIUM
TEL +32 16 39 24 51
TEL +32 16 39 24 13
FAX +32 16 39 24 44

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

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