

**HIGH PURITY FURNACE BLACK
FOR FDA APPLICATIONS**



BLACK PEARLS® 4750



The U.S. Food & Drug Administration (FDA) has listed high purity furnace blacks for use as colorant for polymers in contact with food¹. The purity requirements are:

- Total polynuclear aromatic hydrocarbons (PAHs) not to exceed 0.5 parts per million (ppm)
- Benzo[a]pyrene not to exceed 5.0 parts per billion (ppb)²

The high purity furnace blacks may be used at levels not to exceed 2.5% by weight of the polymer.

To ensure BLACK PEARLS® 4750 meets the FDA's purity standards, Cabot employs stringent, statistically sound, quality control practices during manufacturing.

Typical Applications and Performance Features

Cabot has developed BLACK PEARLS 4750 as part of the company's commitment to meet the demands of the plastics industry and providing solutions to previously unsolvable design and processing challenges.

BLACK PEARLS 4750 exhibits a higher jetness and blue undertone over BLACK PEARLS 4350.

BLACK PEARLS 4750 is a pelleted pigment. It is also available in an easier to disperse powdered form as MONARCH® 4750.

Typical Properties

I2No (mg/g)	258
OAN (ml/100g)	117
Moisture (%)	<3.0
Total PAH (ppm)	<0.5
Pyrene (ppb)	<5.0

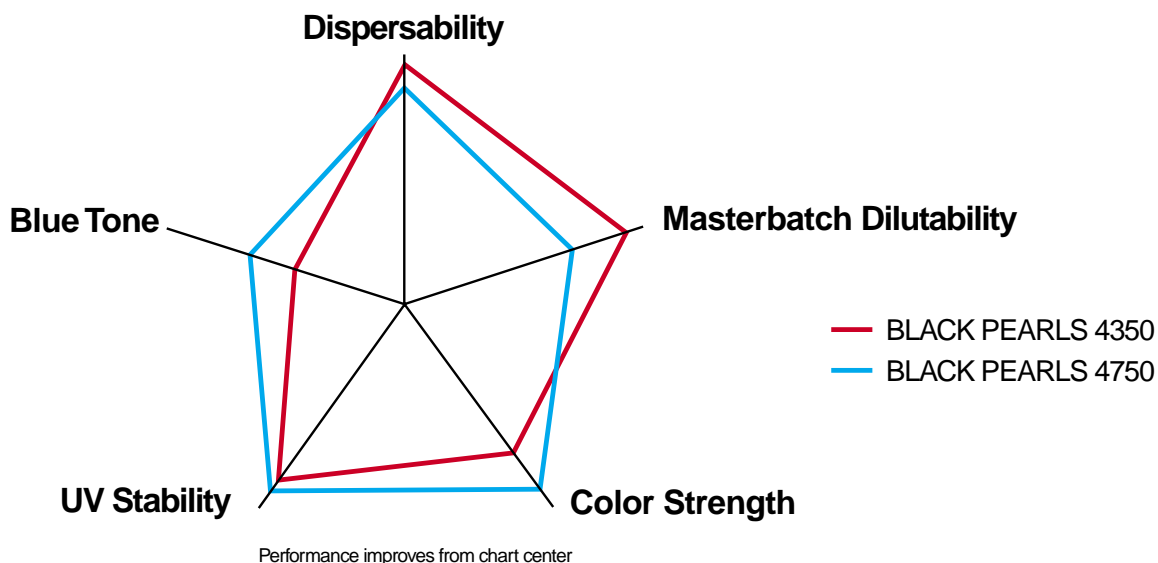
¹Chapter 21 of the Code of Federal Regulations Section 178.3297 addresses colorants for polymers

²As determined by the analytical method developed by Cabot and adopted by the FDA

Standard Packaging Options

Bag	20 kg poly
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MSDS

Material Safety Data Sheet is available from the Regional Sales Office. The location of the nearest Sales Office can be found at the foot of this document.

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