

Black pigments for pulverized toner

PERFORMANCE REQUIREMENTS



■ **Image Density:**

Black pigments are added to toners to create dark, opaque images when printed on paper or other substrates. Our image density measurements compare the relative image densities of different pigments.

■ **Color Undertone:**

Black pigments can be designed to provide color undertones ranging from blue to yellow/brown. Our measurements show CIE b^* color values.

■ **Toner charging:**

Our measurements show the relative differences in pigment effect on charge/mass ratio (Q/M) in a negatively charged toner without any additional charge control additives.

■ **Dispersibility:**

Dispersibility is a relative measurement of the effort required (time, dispersion energy) to reach an optimal pigment dispersion level in a pulverized toner.

■ **Product Safety:**

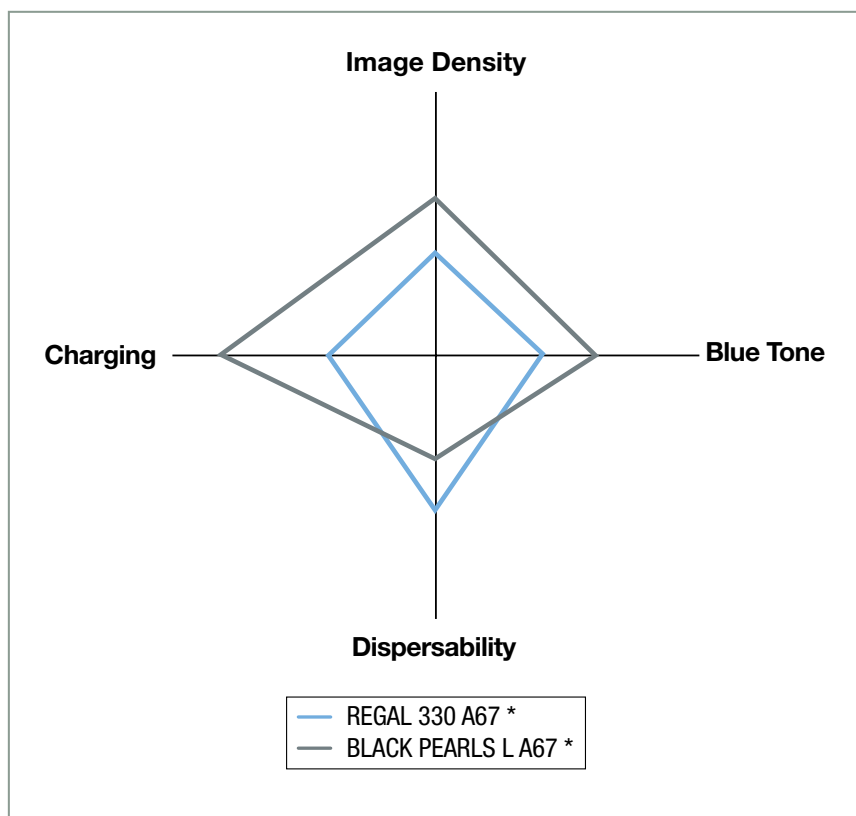
REGAL[®] 330 A67* and BLACK PEARLS[®] L A67* both meet strict toner industry product safety requirements:

- AMES test negative
- Strict limits on pigment content of polycyclic aromatic hydrocarbons (PAH content)

* Both REGAL 330 A67 and BLACK PEARLS L A67 are available in “fluffy” versions: REGAL 330R A67 and MOGUL L A67

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Product Performance Comparison



Performance improves from chart center.

Relative comparison based on equal weight loading of pigment.

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New Product Pipeline for Pulverized or Chemical Toner

Please contact us if you would like to learn about our new carbon black materials for Toners. We have a toolkit of developmental products that offer performance advantages, i.e. higher image density, improved charging, and improved dispersability in liquid systems.

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