

BLACK PIGMENTS FOR PULVERIZED TONER



CABOT
creating what matters



Cabot Commercial Products

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.

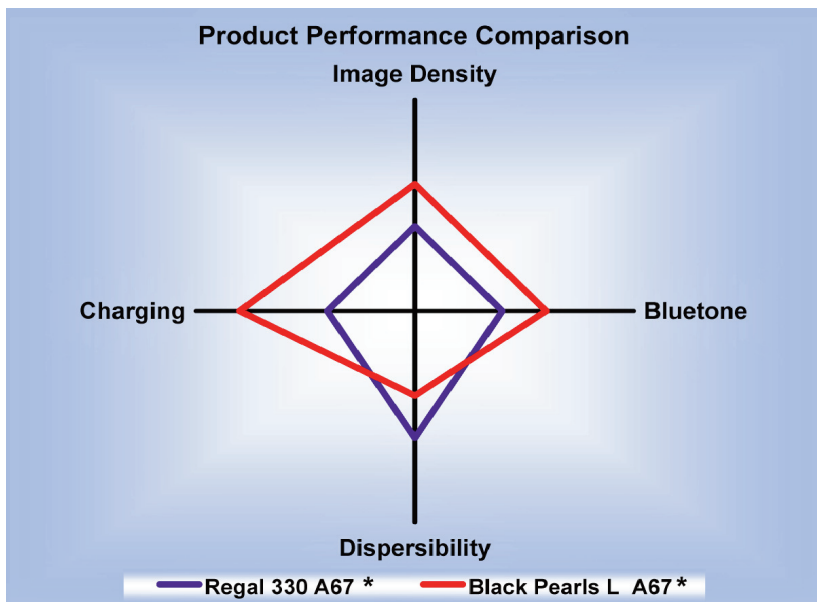
Color Undertone Black pigments can be designed to provide color undertones ranging from blue to yellow/brown. Our measurements show CIE b* color values.

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 polyaromatic hydrocarbons (PAH content)



Performance improves from chart center.

Relative comparison based on equal weight loading of pigment.

* Both Regal 330 A67 and Black Pearls L A67 are available in “fluffy” versions: Regal 330R A67 and Mogul L A67

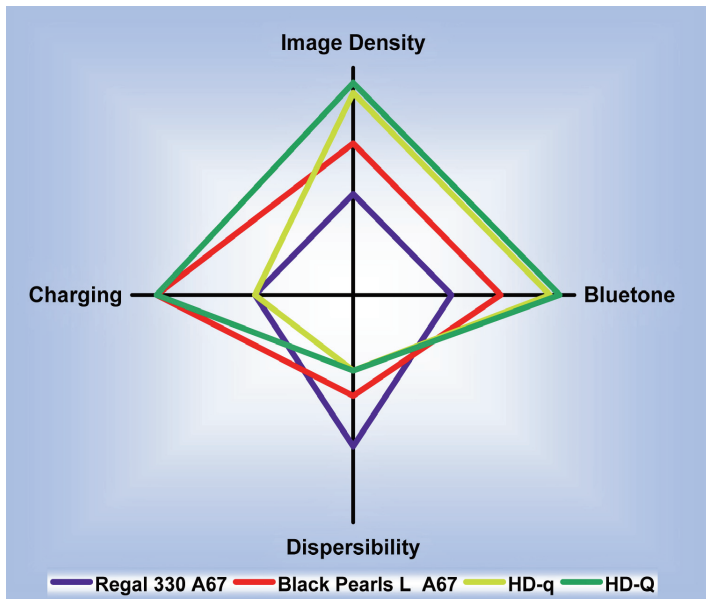


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Experimental products for performance optimization

HD Series

High Image Density

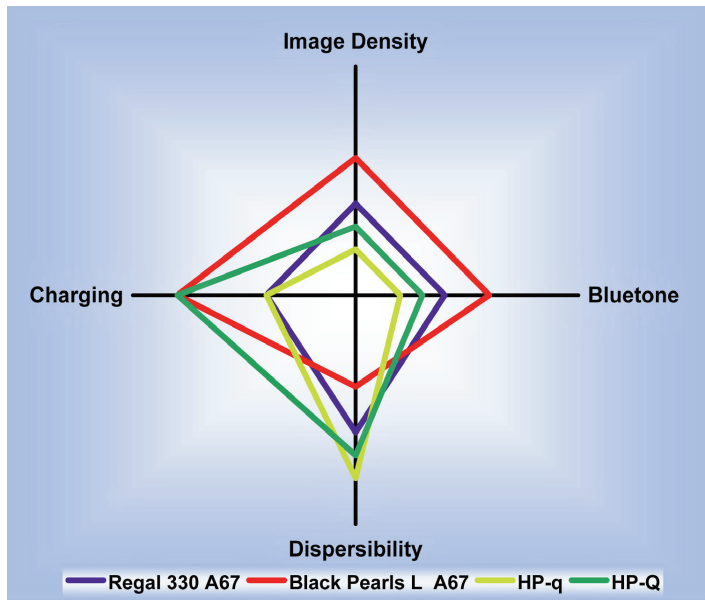


HD-q: high image density, low charging

HD-Q: high image density, high charging

HP Series

High Productivity



HP-q: easy to disperse, low charging

HP-Q: easy to disperse, high charging

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