



# CAB-O-JET® 200

Inkjet Colorants

**CAB-O-JET 200**, a unique pigment dispersion based on Cabot's patented surface modification technology, suited for both thermal and piezo inkjet printheads. With a high pigment loading (20%), CAB-O-JET 200 Black pigment dispersion is a good economical option whilst still offering great formulation flexibility for the inkjet ink developer enabling:

- Excellent Stability
- Intercolor Bleed
- Lightfastness

For a higher performing Black aqueous pigment dispersion, take a look at the next generation product **CAB-O-JET® 300**, or our latest generation product based on a new unique technology - **CAB-O-JET® 400**.

Typical Physical Properties	
Appearance	Black Liquid
Pigment	Carbon Black
Viscosity <sup>1</sup>	3.0 cP
pH <sup>2</sup>	7.5
Surface Tension <sup>3</sup>	70 dynes/cm
Solids	20% pigment in water
Stability <sup>4</sup>	
Freeze thaw:	3 cycles at -20° C
Heat:	>6 weeks at 60° C
Room Temperature:	>1 year
Particle Size <sup>5</sup>	
Mean:	0.135 microns
100%:	<0.60 microns

<sup>1</sup> Brookfield Rotational Viscometer, <sup>2</sup> At time of packaging. No buffers are added, therefore results may vary upon delivery. <sup>3</sup> Kruss Tensionmete, <sup>4</sup> No change in any physical property, <sup>5</sup> Nanotrac NPA150 Particle Analyzer

## Surface Modification Technology

Cabot's proprietary surface modification technology allows for the direct attachment of functional groups to the surface of the pigment particle. This attachment technique results in highly reliable and stable dispersions. As the stabilizing groups are attached to the surface of the pigment particle, there are no polymers or surfactants in the bulk of the dispersion that can adversely effect properties such as viscosity and surface tension or contribute to foaming and kogation.

This technology also allows for tight control of the pigment surface chemistry, which results in consistent, high "on paper" performance. Properties such as optical density, edge acuity, intercolor bleed, dry time, mottle etc. are controlled by the chemistry of the pigment and the ink formulation in which it is incorporated.

## Cabot Inkjet Colorants

Cabot Inkjet Colorants leverages decades of fine particle and surface modification expertise from Cabot Corporation, and has been supplying high performance aqueous pigment dispersions to the inkjet industry since 1996. Cabot Inkjet Colorants are committed to the industry and will continually bring new products to market designed to meet the ever increasing needs of inkjet printing.

For additional product information, samples or to be connected with the account representative for your region; please visit [www.cabot-corp/inkjet](http://www.cabot-corp/inkjet) or email: [inkjet@cabot-corp.com](mailto:inkjet@cabot-corp.com)

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