

CAB-O-JET® 470Y (PY 74)

CAB-O-JET 470Y, a **new** unique pigment dispersion based on Cabot's latest surface modification technology, suited for both thermal and piezo inkjet printheads. CAB-O-JET 470Y **Yellow** pigment dispersion offers great formulation flexibility for the inkjet ink developer, enabling **outstanding** step-change performance on **plain** paper in the areas of:

- Paper Independence
- Color Strength
- Print Durability
- Intercolor Bleed
- Lightfastness
- Waterfastness

Other products based on this **new** technology:

- ~ CAB-O-JET 450C (PB 15:4)
- ~ CAB-O-JET 480V (PV 19RS)
- ~ CAB-O-JET 400 (Carbon Black)
- ~ CAB-O-JET 465M (PR 122)

Surface Modification Technology

Cabot's proprietary surface modification technology allows for the 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 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 or email: inkjet@cabot-corp.com

Typical Physical Properties

Appearance	Yellow Liquid
Pigment	PY 74
Viscosity ¹	2.2 cP
pH ²	9.0
Surface Tension ³	71 dynes/cm
Solids	15% pigment in water
Stability ⁴	
Heat:	>6 weeks at 60° C
Room Temperature:	>1 year
Particle Size ⁵	
Mean:	0.170 microns
100%:	<0.82 microns

¹ Brookfield Rotational Viscometer, ² At time of packaging. No buffers are added, therefore results may vary upon delivery. ³ Kruss Tensionmete, ⁴ No change in any physical property,

⁵ Nanotracc NPA150 Particle Analyzer

This information is provided as a convenience and for informational purposes only. No guarantee or warranty as to this information, or any product to which it relates, is given or implied. Cabot disclaims all warranties express or implied, including merchantability or fitness for a particular purpose as to (i) such information, (ii) any product or (iii) intellectual property infringement. In no event is Cabot responsible for, and Cabot does not accept and hereby disclaims liability for, any damages whatsoever in connection with the use of or reliance on this information or any product to which it relates.