Nu-Centura Low VOC

Gans Ink & Supply is meeting the new century with the best performing low VOC process inks on the market today! Our Nu-Centura process inkset is formulated with more than 20% renewable soy and vegetable oils for the environmentally conscious commercial printer, and print buyer. Being GREEN has never been so smart or easy!

**TECHNICAL PERFORMANCE DATA**

- **Nu-Centura Item Numbers**
  - Black- A131157
  - Cyan- A131158
  - Mag- A131159
  - Yelo- A131160

- **Nu-Centura VOC’s**
  Gans Nu-Centura process series was formulated to be the friendliest low VOC inkset available today. This series averages 2.9% VOC’s per pound, compared to other quick-set inks today that average 25%-30% VOC’s per pound!

- **Ink Tack Readings**
  - Black- 16
  - Cyan- 15
  - Mag- 13.5
  - Yelo- 12
  The above tack readings are taken at 1200 RPM, 1 minute, 90° F, Thwing Albert 101 Inkometer.

- **Set Speed**
  Gans Nu-Centura process series rated 373 out of 400 on Gans’ internal scale for set speed. This series will allow the printer to turn uncoated work in nearly the same time as our 3 quickest setting process formulations, and with aqueous coated printing there will be no noticeable difference in set speed.

- **Scuff-Resistance**
  Overall, Nu-Centura rated a 33 out of 40 on Gans’ internal scale for scuff-resistance. This test is performed on a #1 gloss coated sheet, without aqueous coating, 24 hours after printing. Nu-Centura is our most scuff-resistant quick-set ink ever, and will perform well on all substrates!

- **Solid Overprint Trapping**
  At the above solid ink densities on a #1 gloss sheet, Nu-Centura trapped as follows:
  - Red- 78%
  - Green- 88%
  - Blue- 71%

- **Solid Ink Densities After 24 hrs**
  - Black- 1.70
  - Cyan- 1.35
  - Mag- 1.45
  - Yelo- 1.05
  The above measurement device settings are: Illuminant D50, 2° observer angle, Status T, without polarization or UV filters. Paper white has been zeroed out. Print testing on a #1 gloss sheet, without aqueous coating, has shown approximate density dryback to be (in density points):
  - Black- 24
  - Cyan- 5
  - Magenta- 2
  - Yellow- 2

- **TVI (Dot Gain) @ 50%, AM 175 Line**
  At the above ink densities on a #1 gloss sheet Gans Nu-Centura printed with an ideally clustered gain range of 5%:
  - Black- 22%
  - Cyan- 18%
  - Mag- 17%
  - Yelo- 19%

- **Stay Open (Skin-time)**
  Gans Nu-Centura Low VOC process series will not begin to develop a skin in the can or the fountain for at least 5 days. Extreme ambient temperatures will affect this stay open period.

- **Ink Glossiness**
  At a 60° angle Nu-Centura showed a specular gloss reading of 80 units over 340% ink coverage on a #1 gloss coated sheet, without aqueous coating. Other quick-set process inks only read from the 60’s to 70’s! Our unique blending of soy and exotic nut oils is what allows this series to achieve the highest gloss levels!

- **Post Processing**
  This process series is considered finishing friendly and can be UV coated or foil embossed after 48 hours. These inks are considered laser imprintable on uncoated paper, although pre-testing is always required for guaranteed performance.

Call Gans today to learn about all of our low VOC solutions for your entire pressroom!

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