



**GANS INK
& SUPPLY CO.**



**LONGEVITY
THROUGH
INTEGRITY**

Resolution 4C Process

Gans Ink & Supply is the *only* ink manufacturer to finally solve the age old problem of combining *ultra-high gloss* with *ultra-fast set speed!* We named this process series **Resolution** because on multiple print tests it achieved the highest quality print resolution, at the fastest production speeds, with the glossiest appearance and fastest set speeds we've ever seen from *any ink!*

TECHNICAL PERFORMANCE DATA

Resolution Item Numbers

Black- A133064 Cyan- A133065
Mag- A133066 Yelo- A133067

Ink Hue/Chroma

Gans **Resolution** process series has been formulated to meet ISO 12647-2 (Commercial Printing) tolerances for Hue and Chroma. However, due to the extremely high overprint trap values, **Resolution** will allow you to achieve a *wider color gamut* than other ISO compliant process inks!

Ink Tack Readings

Black-14 Cyan-14 Mag-13.5 Yelo-11

The above tack readings are taken at 1200 RPM, 1 minute, 90° F, Thwing Albert 101 Inkometer.

Set Speed

Gans **Resolution** process series rated **393** out of 400 on Gans' internal scale for set speed on a #1 gloss coated sheet, making this series the **FASTEST** setting process inkset Gans Ink has formulated to date!

Scuff-Resistance

Overall, this process inkset rated a **29** 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. **Resolution** will resist scuffing *well* on gloss coated paper. Post-processing on matte or dull stocks should be considered, due to the fragile nature of those paper surfaces.

Solid Overprint Trapping

At the above solid ink densities on a #1 gloss sheet, **Resolution** trapped better than every competitors inks compared.

Red- 85% Green-97% Blue- 74%

Solid Ink Densities After 24 hrs

Black-1.70 Cyan-1.35 Mag-1.45 Yelo-1.00

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 *extremely low* density dryback of only (in density points):

Black-9 Cyan-3 Magenta-2 Yellow-2

Dot Gain @ 50%, AM 175 Line

At the above ink densities on a #1 gloss sheet, with no AQ, Gans **Resolution** printed extremely sharp, *even at 15,000 IPH!*

Black-18% Cyan-14% Mag-12% Yelo-14%

Stay Open (Skin-time)

Gans **Resolution** 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 **Resolution** showed a gloss reading of **77.4 units** over 340% ink coverage on a #1 gloss coated sheet, without aqueous coating. Compare this to other quick-set inks that only measure in the *60's to low 70's!* Additionally, because of **Resolution's** ultra fast set speed, aqueous coated images will achieve higher gloss levels as well!

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.

Contact Gans today to improve your Resolution, and to learn more about our full-range of process control services!