



AVIENT SPECIALTY INKS

ASI Process Colors

ASI Process Magenta - ASI Process Cyan - ASI Process Black - ASI Process Yellow
ASI Process colors are designed to produce the cleanest, highest intensity colors for textile printing. These pure, transparent colors are designed for high productivity direct wet-on-wet printing with excellent resistance to build-up, superb printability, extremely soft hand and minimal dot gain.

HIGHLIGHTS

- Designed for printing on light colored fabric grounds
- Can be printed on top of an appropriate underbase white from any of our Avient Brands
- Match color key fast with these pure pigments.

PRINTING TIPS

- Most effective when art is separated by experienced, specialized textile screen print process Artist utilizing the ASI ProSet color data provided by Avient.
- Use consistent, high-tensioned screen mesh to optimize performance properties.
- For CMYK profiles, copy and paste the below link into your CHROME browser:
<https://www.avientspecialtyinks.com/sites/default/files/2022-04/Avient%20Specialty%20Inks%20ProSet.csf>
- Perform fusion tests before production. Failure to cure ink properly may result in poor wash fastness, inferior adhesion and unacceptable durability. Ink gel and cure temperatures should be measured using a Thermoprobe placed directly in the wet ink film and verified on the production run substrate(s) and production equipment. It is the responsibility of the printer to determine that the correct ink has been selected for a specific substrate and the application processes meet your customer's standards or specifications.
Avient Specialty Inks have been carefully designed to perform within a given viscosity range. Any alteration of viscosity should be minimized.
Stir plastisols before printing.
Do not dry clean, bleach or iron printed area.
- Separations steps for 4 color process printing:
<https://www.youtube.com/watch?v=xG2a88pPTeU>

COMPLIANCE

- Non-phthalate
- For individual compliance certifications and conformity statements, please visit www.avientspecialtyinks.com/services/compliance-support

PRECAUTIONS



AVIENT
SPECIALTY
INKS

V1.67 (Modified: 06/06/2025)

PRODUCT INFORMATION BULLETIN



RECOMMENDED PARAMETERS



Fabric Types

100% cotton, cotton blends, all-white fabric grounds



Mesh

Count: 305-355 t/in (120-140 t/cm)
Tension: 25-35 n/cm²



Squeegee

Durometer: 70/90, 70/90/70
Profile: Sharp
Stroke: Fast
Angle:



Stencil

2 over 2
Off Contact: 1/16" (.2cm)
Emulsion Over Mesh: N/A



Flash & Cure

Flash: 220°F (105°C)
Cure: 320°F (160°C)



Pigment Loading

N/A



Additives

ASI Halftone Base - 20% max



Storage

65-90°F (18-32°C)
Avoid direct sunlight.
Use within one year of receipt.



Clean Up

Ink degradant or press wash.



Health & Safety

Find SDS information here:
www.avient.com/resources/safety-data-sheets
or contact your local CSR