

# AVIENT SPECIALTY INKS

## PRODUCT INFORMATION BULLETIN



### INFINITE FX PROCESS COLORS

K2620 INFINITE FX PROCESS MAGENTA  
K2610 INFINITE FX PROCESS CYAN  
K2640 INFINITE FX PROCESS BLACK  
K2630 INFINITE FX PROCESS YELLOW

INFINITE FX 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 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](http://www.avientspecialtyinks.com/services/compliance-support)

#### PRECAUTIONS



AVIENT  
SPECIALTY  
INKS

V1.57 (Modified: 04/28/2022)

2022, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.

### 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/cm<sup>2</sup>



#### 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

K2585 INFINITE FX HALFTONE  
BASE - 20% max



#### Storage

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



#### Clean Up

Ink degradent or press wash.



#### Health & Safety

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