

AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN



2982 FLEXIPUFF ADDITIVE

Avient™ Specialty Inks FLEXIPUFF ADDITIVE is specifically designed to give a "flexible puff" texture effect. This additive is used to increase the printed opacity with a slight puff.

HIGHLIGHTS

- ▶ Produces elevated "puff" surface
- ▶ Suitable for use as an additive to reduce gloss
- ▶ Additive for plastisol ink to create puff colors
- ▶ Excellent adhesion to fabrics, stretch properties, and wash durability

PRINTING TIPS

- ▶ For an HDPUFF effect, See ASI K2570 INFINITE FX NUPOFF BASE and use as a base or additive
- ▶ Different effects may be achieved through the use of multiple passes, flash curing, thick screen stencils and overprinting with standard and specialty inks
- ▶ In multi-color printing, flash the puff prior to overprinting
- ▶ Best results when printed directly onto fabric
- ▶ For Pantone® colors choose the Pantone® color two shades darker as the color will lighten up
- ▶ Mix up to 30% by weight of Flexipuff additive for a slight puff, increased opacity effect.
- ▶ Mix up to 2% by weight to reduce gloss of plastisol inks
- ▶ If printing a large area, lightweight fabric may pucker. To alleviate puckering, print a mezzotint or dot pattern (an 80 percent solid)

COMPLIANCE

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

PRECAUTIONS

The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications



AVIENT
SPECIALTY
INKS

V1.04 (Modified: 03/15/2023)

RECOMMENDED PARAMETERS



Fabric Types

100% cotton, cotton blends, some synthetics



Mesh

Count: 86-160 t/in (34-62 t/cm)
Tension: 25-35 n/cm2



Squeegee

Durometer: 60/90/60, 60-70
Profile: Square, Sharp
Stroke: Hard flood, Medium stroke
Angle: 10-15%



Stencil

2 over 2
Off Contact: 1/16" (.2cm)
Emulsion Over Mesh: 15-20%



Flash & Cure

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



Pigment Loading

N/A



Additives

N/A



Storage

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



Clean Up

Dispose unused ink responsibly. Standard plastisol cleaners, press wash, or ink degradant



Health & Safety

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