



AVIENT SPECIALTY INKS

ASI Nupuff

ASI Nupuff is specifically designed to give a raised "puff" texture effect. ASI Nupuff is extremely durable and formulated to resist overblow.

HIGHLIGHTS

- ▶ Nupuff Base
Nupuff White
Nupuff Black
- ▶ Excellent adhesion to fabrics, stretch properties, and wash durability
- ▶ Produces elevated "puff" surface with fantastic lift
- ▶ Formulated to resist overblow
- ▶ Tintable for infinite color combinations

PRINTING TIPS

- ▶ Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results. Recommended mesh counts can vary depending on particle size
- ▶ 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
- ▶ Tintable with plastisol colorants. See Pigment Loading section for suggested starting tinting percentages. Reduce the amount of white colorant in the formula as specialty base will lighten the color
- ▶ NuPuff is formulated with overblow protection so the possibility of collapse of the expanded ink is greatly reduced
- ▶ 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

V1.12 (Modified: 05/09/2025)

PRODUCT INFORMATION BULLETIN



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

Minimum 30%
Maximum 50%
Test prior to production



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