

AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN



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

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



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

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



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

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