wilflex™

ONE STEP NYLON (OSN)

PRODUCT INFORMATION BULLETIN

epic

Wilflex™ One-Step (OSN) Nylon is a specially formulated non-phthalate ink designed to print onto "untreated" nylon substrates. Standard plastisol ink processes can be used and ink will not dry in the screen or harden in the container.
Portfolio: OSN BASE, OSN WHITE, OSN BLACK

HIGHLIGHTS

- OSN inks flash quickly to allow efficient multi-ink printing
- High opacity.
- Can be used with or without the ASI Hugger Catalyst.
- Excellent for printing untreated nylon fabrics ranging from coarse deniers used in backpacks and luggage to finer deniers used in garments and umbrellas.

PRINTING TIPS

- Use consistent, high-tensioned screen mesh to optimize performance properties.
- One-Step Nylon inks should NOT be used on waterproofed satin jackets or when printing onto waterproofed nylon materials. If the nylon material has been treated to repel water, the waterproofing must be removed, and the addition of ASI Hugger Catalyst at 10% by weight will be necessary. Wipe down the print area with rubbing alcohol or acetone if printing on a tightly woven jacket material.

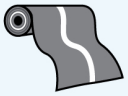
COMPLIANCE

- Non-phthalate
- For individual compliance certifications and conformity statements, please visit:
www.avient.com/wilflex-compliance

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

RECOMMENDED PARAMETERS



Fabric Types
Untreated 100% nylon



Mesh
Count: 86-230 t/in (34-91 t/cm)
Tension: 25-35 n/cm2



Squeegee
Durometer: 60-90
Profile: Straight Edge
Stroke: Medium
Angle:



Stencil
2 over 2
Off Contact: 1/16" (2mm)
Emulsion Over Mesh:



Flash & Cure
Flash: 160°F (70°C)
Cure: 280°F (138°C)



Pigment Loading
PC: 20% max



Wilflex™ Additives



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

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