

# AVIENT SPECIALTY INKS

## PRODUCT INFORMATION BULLETIN



### 2940 HUGGER CATALYST

Avient™ Specialty Inks HUGGER CATALYST is an additive used to increase the adhesion of plastisol inks to nylon and other tightly woven materials.

#### HIGHLIGHTS

- Use for Nylon wind breakers, Jerseys, bags, Banners, and other slick surfaces that plastisol struggles to adhere to
- Works with plastisol ink which does not contain water

#### PRINTING TIPS

- Stir inks thoroughly when adding catalyst
- Mix 10% by weight of 2940 HUGGER CATALYST to plastisol ink for printing on tightly woven nylon such as umbrellas, bags and jackets
- When printing on nylon material that has been treated to repel water, the waterproofing must be removed. Remove waterproofing by wiping down the print area with rubbing alcohol or acetone. Check for penetration of the waterproofing with small drops of water. The water drops will spread and penetrate the fabric if the waterproof coating is properly removed
- Hugger Catalyst activates upon exposure to moisture in the air. The amount of moisture exposure determines the shelf life of the mixed ink. Pot life generally ranges from 4-8 hours
- OTHER USES: Hugger Catalyst can be used at 3% by weight to reduce fibrillation issues when printing on 100% cotton
- The cross-linking reaction between the catalyst and ink takes approximately 48-72 hours to fully bond to the fabric. Adhesion test should be conducted after the cross-linking process is complete
- Immediately after printing, remove catalyzed ink from screens using cleaning solvents to prevent permanent mesh damage. Clean squeegees and other printing apparatus immediately after use

#### 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

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

see relevant PIB



##### Mesh

Count: see relevant PIB  
Tension: see relevant PIB



##### Squeegee

Durometer: see relevant PIB  
Profile: see relevant PIB  
Stroke: see relevant PIB  
Angle: see relevant PIB



##### Stencil

see relevant PIB  
Off Contact: see relevant PIB  
Emulsion Over Mesh: see relevant PIB



##### Flash & Cure

Flash: see relevant PIB  
Cure: see relevant PIB



##### 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](http://www.avient.com/resources/safety-data-sheets)  
or contact your local CSR



AVIENT  
SPECIALTY  
INKS

V1.00 (Modified: 05/10/2021)

2021, 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.