AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN

2942 THICKENER #2 and 2944 THICKENER #3

Avient™ Specialty Inks offers a range of thickeners used to increase viscosity of plastisol inks. Thickener #2 is a powder and Thickener #3 is a liquid thickener.

HIGHLIGHTS

- THICKENER 2 POWDER | 2942
  THICKENER 3 LIQUID | 2944
-

PRINTING TIPS

- 2942 THICKENER #2: White Powder- An excellent thickener for High Density printing. Add up to 1% by weight to thicken plastisol ink, results are immediate. By increasing viscosity, the ink film will sit on substrate surface, improving opacity. Excessive amounts of Thickener 2 will cause build-up on back of screen and accelerate the aging of the ink viscosity. High speed, high shear mixing will disperse powder without lumping. Be cautious to not overheat the ink
- 2944 THICKENER #3: Highly concentrated liquid thickener to increase viscosity and body of plastisol inks. Mix Thickener #3 at 0.5 - 1% by weight (MAXIMUM) . Be sure to weigh the amount precisely, as an overaddition can dramatically reduce printability. Stir thoroughly using a low sheer mechanical mixer or by hand. Do not over mix to the point of creating friction (high heat) as it could cause the plastisol to gel causing lumps. After mixing, wait a minimum of 2 hours before printing or testing for viscosity

COMPLIANCE

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

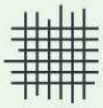
PRECAUTIONS

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

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
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.