

# AVIENT SPECIALTY INKS

## 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 shear 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](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

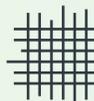


### RECOMMENDED PARAMETERS



#### Fabric Types

see relevant PIB



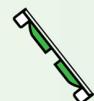
#### Mesh

Count: see relevant PIB  
Tension: see relevant PIB



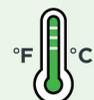
#### Squeegee

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



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