Buckets of Ink
Screen Printing, Embroidery, Digital Equipment & Supplies

Which White Plastisol for Which Fabric

Wilflex, WM Plastics and QCM whites we stock, matched to fabric, mesh, flash, cure and bleed resistance.

White ink	Made for (per the maker)	Mesh (t/in)	Flash	Cure (whole film)	Bleed resistance / notes
Wilflex (Avient)					
Epic Quick White 11835PFW	100% cotton and cotton blends; underbase or top white	86-230	220F	300F	Avient names it an underbase white for bleed resistance under its color systems. Very fast flash.
Epic K2200 Amazing Bright Tiger White	Cotton/poly blends and triblends	86-280	220F	300F	Low bleed; for jobs needing moderate bleed resistance.
K2200 Epic Athletic Poly White	100% polyester and cotton/poly blends	86-160	220F	320F	Rated "Better" by Avient (one step below its "Best" whites).
2200 Epic Bolt LC White	Blends, triblends and 100% polyester (cure at 270F and pre-test)	86-305	Fast flash	270F-320F	Low-cure, low-bleed. On challenging fabrics Avient says use a bleed-blocking underbase such as Epic Armor LC Gray or Black.
Rival Sport LC White	100% polyester and cotton/poly (not 100% cotton)	86-160	-	250F-300F	Low-bleed white for polyester sports apparel.
WM Plastics (Midori and LC series)					
Soft Cotton White	Cotton; light, medium and dark garments	86-305	700F, 6 sec	270F-325F	Bleed resistance: none. Extreme soft hand through high mesh.
Brite White	Cotton/poly blends; light, medium and dark	86-300	700F, 3 sec	260F-325F	Bleed resistance: good. Economical general-purpose white.
Ultimate White	Cotton/poly and 100% polyester; light to dark	86-300	700F, 2 sec	260F-325F	Bleed resistance: great. WM's top-selling high-opacity, low-bleed white.
Radiant White	White or colored garments; cotton, cotton/poly, polyester, stretch	61-180	700F, 3-5 sec	260F-325F	Bleed resistance: excellent. WM's newest, best bleed-resistant Midori white; thicker body.
Titan Poly White	Medium to dark; cotton/poly and 100% polyester	86-180	700F, 2 sec	260F-325F	Bleed resistance: extreme. WM: best bleed resistance of all its Midori whites.
Brute White (LC series)	Low-cure white for cotton, blends and polyester	61-230	700F, 3-5 sec	230F-325F	Bleed resistance: excellent. On 100% polyester WM suggests Brute as an underlay, 110 mesh or coarser, cured 250F-270F.
QCM (Avient)					
PERM-170 Perma White	100% polyester	86-110	210F-230F on pre-heated pallets	320F, 60 sec	Avient: outstanding dye migration resistance. Higher mesh counts can be used but bleed may result.
XOLB-142 Max Production White	Cotton and stable blends; high-volume automatic printing	83-230	140F-150F on pre-heated pallets	320F	Avient: designed for fast production; flood the image and print with a sharp 70 durometer squeegee.

How to pick: match the fabric first. Cotton: Quick White, Soft Cotton, XOLB-142. Blends and triblends: Tiger White, Brite, Ultimate, Bolt LC. 100% polyester: Athletic Poly, Titan, Ultimate, Perma White, Bolt LC (270F, pre-test), Rival Sport LC, Brute underlay.

Always pre-test polyester and sublimated or strongly dyed fabric for dye migration. The whole ink film must reach the cure temperature: check it with a temperature gun or probe and run a stretch test. "-" = not listed in the maker data we carry. WM flash is WM's wording: flash-unit temperature and time, just enough for the surface to be tack free.

Sources: Avient/Wilflex technical data sheets and Product Selection Guide (2026), Avient QCM PERM170 and XOLB142 product information bulletins, WM Plastics Ink Tech Catalog (NP v42). Temperatures in degrees Fahrenheit. Reference only: the maker's current TDS governs. Every data sheet: bucketsofink.com/page/safety-data-sheets.