Plastisol Cure, Flash and Dryer Settings by Ink Line

Cure and flash temperatures for the Wilflex, WM Plastics and QCM plastisols we stock, from each maker's own data.

Ink line	Product	Cure (whole ink film)	Mesh	Note
Low-cure lines				
WM Plastics LC series	Brute White and LC colors	230F (1.5-2 min) up to 325F (1-1.5 min)	61-230	WM: cotton and blends 270F-300F; 100% polyester 250F-270F; nylon and heat-sensitive 250F-270F.
Wilflex Rival Sport	Rival Sport colors and LC White	250F-300F	Colors 86-230; White 86-160	Low-bleed polyester line. Not listed for 100% cotton.
Wilflex Epic	2200 Epic Bolt LC White	270F-320F	86-305	Cure at 270F on 100% polyester after a bleed pre-test.
Wilflex Epic Rio	Rio RFU colors	266F-320F	110-305	On polyester cure at 270F and pre-test; print over an underbase white.
Standard cure				
Wilflex Epic	Quick White 11835PFW; Amazing Bright Tiger White	300F	86-230; 86-280	Cotton and cotton/poly blends.
Wilflex Epic	K2200 Athletic Poly White	320F	86-160	100% polyester and blends.
WM Plastics Midori	Titan, Radiant, Ultimate, Brite whites	260F-325F, 1 to 1.5 min	See sheet 1	Oven temperature can be raised and dwell time cut (WM).
WM Plastics Midori	Soft Cotton White	270F-325F, 1 to 1.5 min	86-305	Heat press: 390F for 8 sec (WM).
QCM (Avient)	PERM-170 Perma White; XOLB-142 Max Production White	320F (PERM-170: 60 sec)	86-110; 83-230	Avient QCM bulletins.

Flash and dryer

Maker	Flash setting listed	Dryer and press notes from the maker
Wilflex Epic whites	Quick White, Tiger White, Athletic Poly White: 220F (105C). Bolt LC: fast flash.	Cure the entire ink film. Check with a temperature gun or probe and a stretch test.
Wilflex colors	Rio RFU colors and Rival Sport colors: 180F (83C). Epic MX mixing system: 220F.	Avient: lower-cure inks save energy and protect heat-sensitive fabric.
WM Plastics	700F for 2-6 sec "just enough for the surface to be tack free" (Soft Cotton 6, Brite 3, Ultimate and Titan 2, Radiant and LC series 3-5).	WM: if ink rubs off on a white cloth or cracks, raise temperature and/or dwell time. Test on the fabric to be printed.
QCM (Avient)	PERM-170: 210F-230F on pre-heated pallets. XOLB-142: 140F-150F on pre-heated pallets.	Perma White cure: 60 seconds at 320F.

Cure means the whole ink film reaches the temperature, not just the dryer setting. Belt speed and heater height change the film temperature: see bucketsofink.com/page/conveyor-dryer-belt-speed-and-heater-height. 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.