

DTF Ink

Direct-To-Film Inks for a wide variety of substrates

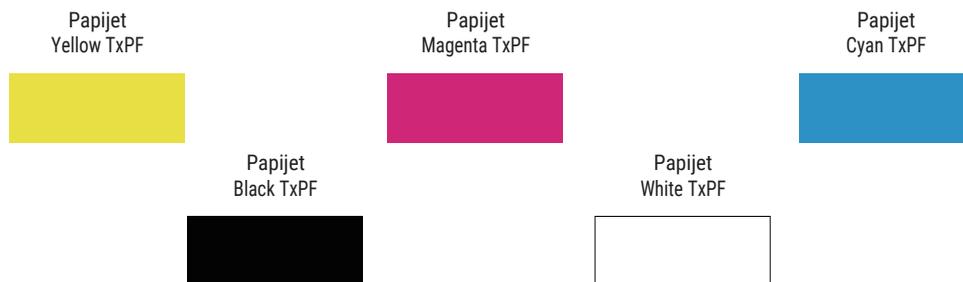


Kyung-In Synthetic Corporation (KISCO) is the biggest dyestuff manufacturer in Korea. With decades of technical know-how and experience of colorants, KISCO develops and produces inks for digital textile printing to meet increasing market demands. We supply high quality and environmentally friendly products to meet the requirements of customers from around the world.

KISCO develops and produces high-color, high-fastness, water-based pigment inks that are based on advanced pigment dispersion technologies. Our Direct-To-Film (DTF) are inks optimized for Epson heads. They deliver stable print quality, bright colors and excellent fastness. DTF inks are eco-friendly products that do not contain hazardous substances such as halogenated organics. Their safety is certified under RoHS 2.0.

DTF inks are printed onto films which can then be applied to substrates using a heat transfer process. Applications include a wide variety of textile fabrics and clothing. DTF printing is a lower-cost process that provides great flexibility to deliver high quality, eye-catching results.

Shades



* Papijet Cleaner TxPF

Applications : Wide application

Optimized media : FIM-TxPF-F600 (Roll type), FIM-TxPF-F300 (Roll type)

Physical Properties

Parameter			Unit	Measuring Instrument
	from	up to		
Surface tension	25.0	40.0	dyne/cm	K20 EASY DYNE [KRUSS Scientific Company]
Viscosity (dynamic)	3.0	4-5	cP	LV DV-II + Pro [Brookfield Engineering Laboratory]
pH	8.0	9.0	-	Orion 3 Star [Thermo Electron Corporation]
Particle size	Color 90.0	130.0	nm	NPA 252-1 [Microtac Instrument Corporation]
	White 200.0	280.0	nm	

All measurements are made at 25±5°C and were recorded after 30 seconds

Technical Data Sheet

Printed on clear PET films, this product shows exceptionally vivid color reproduction, consistent image quality and good repeatability.

Product Name		Base Material		
TxPF		Clear PET		
Property	Spec.	Unit	Test Method	
Total Thickness	84 ± 5	μm	ISO 534	
Total Weight	113 ± 5	g/m ²	ISO 536	
Surface Finish	Matte	--	-	
Opacity	-	%	ISO 2471	
Gloss (60 Deg)	≤ 10	-	ISO 2813	
Lab Color	L	-	-	ANSI T (D50/2°)
	a	-		
	b	-		
Transfer Temp. (°C) / Time (sec)	150~170 / 15 ~ 30			-
Roll Length	100 m			
Roll Width	60 cm			
Ink absorption	Textile Pigment ink			
Storage conditions	15 to 30°C (Temp.) / 35 to 55% (Humidity)			
Recommended period of use	Indoor, within 6 months			
Product Warranty Period	Indoor, 1 year unopened in original packaging			
Precautions for washing	Do not mix with other clothes. Do not dry clean or bleach			

Usage Instructions

We recommend washing the transferred T-shirts separately with ordinary detergent and cold water. Do not scratch the film or transferred print with sharp objects.

After opening, keep ink sealed to prevent moisture and high temperature when not in use.



HEAD OFFICE

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