

# Ultralex

Transfer Release Film

A CONSISTENT  
& HIGH QUALITY

**HEAT TRANSFER  
RELEASE FILM**

FOR HIGH QUALITY  
TEXTILE TRANSFERS

**MADE IN INDIA**



#### CONSISTENT QUALITY IS OUR USP

*Consistent & Uniform Surface Finish*

*Water Based Coatings, REACH Compliant*

*Compatible with Various Printing Methods & Inks.*

*Antistatic Coated, High Heat Stability*

*Hot & Cold Peel Grades, Soft Feel to Transfers*

A ISO 9001:2015 Certified Company

**VAMA**  
Prints & Technologies Pvt. Ltd.



# VANAK

## Prints & Technologies Pvt. Ltd.

Grade: F86SM1 / AirDry Hot Peel, Ink: Water Based

### INTRODUCTION

Ultranex is a Release Coated PET Film, Widely used for printing garment heat transfer labels. The Most functional part of this release film is coating & we have done extensive R&D of over 2yrs to produce our own coating. With the Latest machineries, Controlled processes & Extensive Quality Checks we ensure consistent product quality. Ultranex Film is a “ Chrome Free, Formaldehyde Free REACH Compliant”.

### Various grades to suit variety of Printing methods, Inks & Applications

#### F86SM1/AIRDRY HOTPEEL - SCREEN PRINTING - HYBRID PRINTING - LITHO PRINTING.

This grade is energy saver and reduces rejections in registration Compatible with Water based Inks, Plastisol / Oil based inks, Solvent inks.

#### F83SM1/PREMIUM, F108SM1/PREMIUM, F116SM2/PREMIUM SCREEN PRINTING - HYBRID PRINTING - HD PRINTING

Premium is an extra matte grade in our portfolio which gives matte look & soft touch to the transfers. Compatible with Water based inks Plastisol inks, Plastisol / Oil based inks.

#### F83SM1/ECONOMY - SCREEN PRINTING - LITHO OFFSET

Economy is the grade economically priced for competitive market. Compatible with Plastisol inks, Oil based inks & Water based inks.

#### F86SM1/DTF, F111SM1/DTF - DTF INKJET PRINTING - HD SILICONE - SCREEN PRINTING

Grade DTF is for printing textile transfer with a DTF Inkjet printer, Can also be used with screen printing. Compatible for printing textile transfers with Plastisol inks, Oil based inks & Water based inks.

Note: For further information on grade, please refer Product Data Sheet.

How to Read Grades:

F = Film, 86= Thickness of Film in  $\mu$ , SM1= Silky Matte coating surface 1 side coated, Followed by coating function Discription

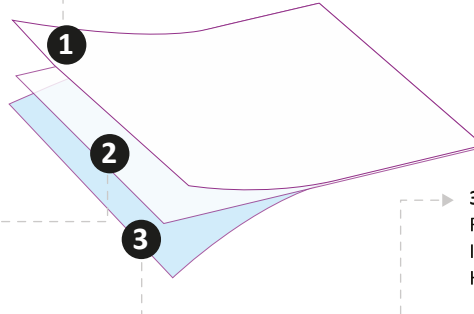
#### Layers and functionality of Ultranex transfer release film.

##### 1. Printable Heat - Stable Release Layer

Grades are decided with this layer composition. It's a WATER BASED COATING, Satin matte finish, Even and consistent coating, Good Printability, Good Hold out of image, Easy Peel Off to transfers

##### 2. Middle Layer Base PET Film

Heat stabilized, Easy registration of colors in printing multicolor screen printed heat transfers.



##### 3. Back Layer Antistatic coating

Reduces static in handling and printing process, Important for Automatic printing machines and Hotmelt Powder application.

SR	SUB	Particulars	Inputs	Tolerance	Inspection method.
<b>Sheet sizes &amp; Film Specifications</b>					
1	1	Sheet Size	480mm X 635mm, 510mm X 762mm	(+/-) 2mm	Scale
	2	Roll Size	Variable widths	(+/-) 2 mm	Scale
	3	Base film	PET 75μ, PET 100μ	(+/-) 2μ	Micrometer
	4	Coating 1 side	8μ	(+/-) 2μ	Micrometer
	5	Shrinkage @ 150°C for 10Minutes	MD 0.20% & TD 0.20%	0.10%	Scale Before / After (Internal Method)
<b>Coating specifications</b>					
2	1	Coating type	1 Side Matte, Smooth, Translucent	NA	Visual
	2	Coating GSM	5gsm	(+/-) 2gsm	Wt Scale
	3	Gloss Values of Matte coating. (Average Values)	Value at 20° 01.4 GU Value at 60° 11.2 GU Value at 85° 05.5 GU	(+/-) 10% (Average)	BYK Gardner Gloss Meter
	4	Coating - Antistatic value	10 <sup>10</sup> Ω/Sq	<10 <sup>11</sup> Ω/Sq	Surface Resistivity Meter
	5	Scratch resistance Coated side.	Coating cannot be scratched	NA	Internal Method
<b>Print &amp; Transfer related properties</b>					
3	1	Printing methods	Screen Printing Manual, Automatic & Roll to roll / Offset & Digital printing*	NA	Actual Printing
	2	Types of suitable inks	Water Based, Solvent based, Plastisols, Digital Laser & Inkjet*, Litho etc..	NA	Printing & Transfer
	3	Adhesive Powder Application	No powder particle seen on nonprinted area or on back side of film.	NA	Manual & Powder applicator
	4	Peel Values	1. Peel Strength = 3N (Peak Values) 2. Print cannot be removed in standard handing conditions.	1. (+/- 1 N) 2. NA	1. Peel Tester. 2. Manual finger tip 10 Rubs.
	5	Print transfer properties	Soft Cold, Warm & Hot peel **	NA	Actual Transfer & Peel
<b>Packing Standard / Details</b>					
4	1	Primary packing F83SM1	500 Sheets in Plastic wrapped + Corrugated Box.	Actual	Machine count
	2	Secondary packing F83SM1	500 Sheets X 2Bundles = 1000 sheets in Woven Laminated PP Bags. 25,000 Sheets Palletized	Actual	Manual count / Manual Count
	3	Primary packing F108SM1	400 Sheets in Plastic wrapped + Corrugated Box.	Actual	Machine count
	4	Secondary packing F108SM1	400 Sheets X 2Bundles = 800 sheets in Woven Laminated PP Bags. 20,000 Sheets Palletized	Actual	Manual count / Manual Count
<b>Storage and Compliance</b>					
5	1	Storage condition.	<35°C, Away from direct sunlight & dust.	2°C / 10%	Weathering chamber test
	2	Shelf life [If kept in original packing]	1 yr+ Expected (Further to be tested for fitness)	1 Month.	To be defined
	3	Compliances: REACH	Materials used are REACH compliant & Reach testing cycle every 1 Yr.	NA	Outsourced Testing with renowned labs.



# Ultralex

Transfer Release Film

Think, *Perform*, Complete Successfully.



Extensive R&D



Coating Machine



Sheet Cutting Machine

Manufactured by:

**VAMA**  
Prints & Technologies Pvt. Ltd.



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