

TECHNICAL DATA SHEET
Product Description:

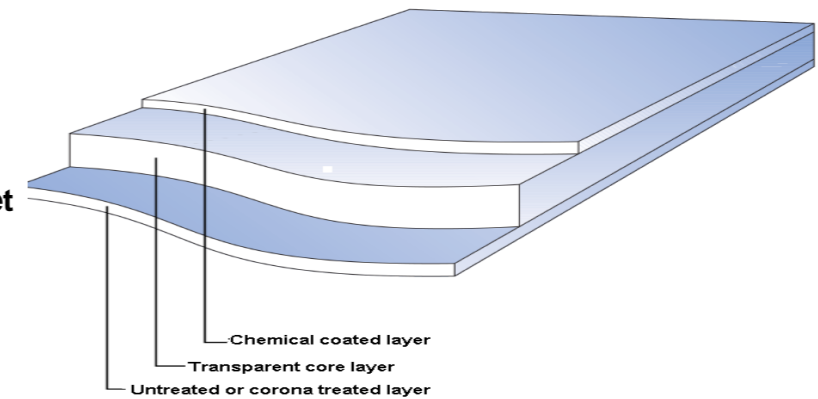
F-UVC is a transparent polyester film. It is one side chemical coated other side corona treated or Untreated.

Application:

Film is designed for UV off set sheet printing in box lamination

Key Features:

Good optical properties
 Good machinability & handling properties
 Coated side suitable for UV offset sheet printing

Film Structure


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE	
			10	12
THICKNESS	Internal	Micron	10	12
		(Gauge)	40	48
FILM DENSITY	D-1505	gm/cc	1.4	1.4
GRAMMAGE	Internal	gm/m ²	14.0	16.8
YIELD	Internal	m ² /kg	71.42	59.52
		in ² /lb	50318	41934
TREATMENT LEVEL # (Min) (Chemical coated Side)	D-2578	dyne/cm	50	50
			(Corona Treated Side)	52
COEFF OF KINETIC FRICTION (Max) (One side to other side)	D-1894	-	0.55	0.55
HAZE (Max)	D-1003	%	4.0	4.0
TENSILE STRENGTH AT BREAK	MD*	Kg/cm ²	1900	1900
			2000	2000
TENSILE STRENGTH AT BREAK	TD*	(Psi)	27000	27000
			28500	28500
ELONGATION AT BREAK	MD	%	100	105
			TD	80
LINEAR SHRINKAGE (Max.) (30 Minute at 150°C)	MD	%	3.0	3.0
			TD	1.0
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m ² /day	50	45
		(gm/100in ² /day)	3.2	2.9
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day	155	130
		(cc/100in ² /day)	10.1	8.5

Ref no QAD UFLD S/16 -F61/1

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

STORAGE & HANDLING:

FLEXPET™ need to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35°C in dry place. FLEXPET™ is suitable for use within 9 month from date of manufacturing, only if material is stored in recommended condition.

FOOD CONTACT:

FLEXPET™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

DISCLAIMER:

It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects. Flex Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.

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Website: www.flexfilm.com