



TECHNICAL DATA SHEET

Product Description:

F-CLR-A & A1 is a transparent polyester film
It is one side chemically primed other side corona treated or untreated

Applications:

Conversion

Printing & lamination

FFS machine

Hot fill & Pasteurization application

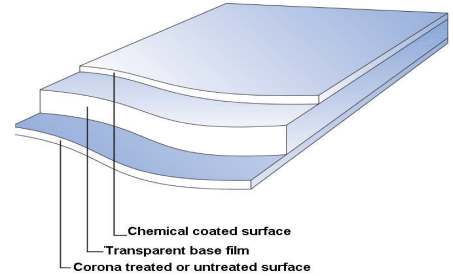
Key Features:

High transparency & clarity

One side chemical coating provide excellent adhesion with various inks & adhesives
Out side corona treated for improved bond with outer substrate

Excellent machinability & handling properties

Film Structure



PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE			
			10	12	23	36
THICKNESS	Internal	Micron (Gauge)	10 40	12 48	23 92	36 144
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m ²	14.0	16.8	32.2	50.4
YIELD	Internal	m ² /kg in ² /lb	71.42 50318	59.52 41934	31.05 21876	19.84 13978
TREATMENT LEVEL # (Min) (Chemical coated Side) (Corona side)	D-2578	dyne/cm	42 52	42 52	42 52	42 52
COEFF OF KINETIC FRICTION (Max) (Coated to plain) (Coated to corona side)	D-1894	-	0.45 0.50	0.45 0.50	0.45 0.50	0.45 0.50
HAZE (Max)	D-1003	%	2.5	2.5	2.6	2.8
TENSILE STRENGTH AT BREAK	MD* TD*	Kg/cm ² (Psi)	1900 2000	1900 2000	1900 2000	1750 2000
TENSILE STRENGTH AT BREAK	MD* TD*		27000 28500	27000 28500	27000 28500	25000 28500
ELONGATION AT BREAK	MD TD	D-882	100 80	105 85	115 90	120 90
LINEAR SHRINKAGE (Max.) (30 Minute at 150 ⁰ C)	MD TD	D-1204	3.0 1.0	3.0 1.0	3.0 1.0	3.0 1.0
W.V.T.R.(38 ⁰ C & 90%RH)	F-1249	gm/m ² /day (gm/100in ² /day)	50 3.2	45 2.9	30 2.0	20 1.3
O.T.R. (23 ⁰ C & 0%RH)	D-3985	cc/m ² /day (cc/100in ² /day)	155 10.1	130 8.5	80 5.2	70 4.5

Ref no QAD UFLI S/10 - F29/1

*MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION

A = Chemical coating A1 = One side chemical other side corona treated

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

**TDS issued on 31-08-2017. All previous version of this grade are invalid.

Website: www.flexfilm.com