

**TECHNICAL DATA SHEET**
**Product Description:**

F-PCR is a co-extruded transparent polyester film made with 25-30% post consumer recycled Pet resin

One side corona treated or both side untreated

**Application:**

Conversion

Printing & lamination

Solvent & water base coating

**Key Features:**

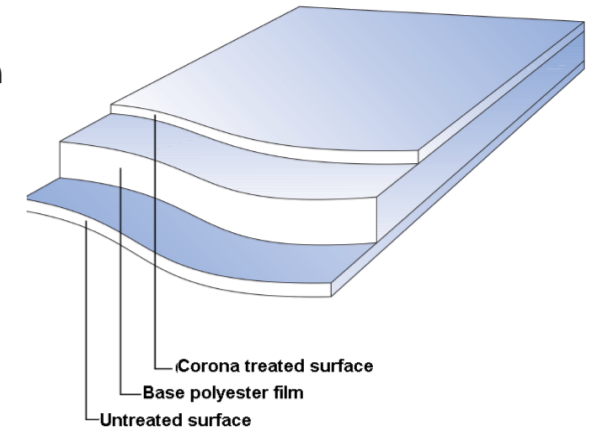
Excellent gloss & clarity

One side corona treatment provide good adhesion with inks

Excellent surface and good handling properties

Excellent machinability & dimensional stability

Environment concerned product

**Film Structure**


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE					
			12	15	19	23	36	
THICKNESS	Internal	Micron	12	15	19	23	36	
		(Gauge)	48	60	76	92	144	
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4	1.4	1.4	
GRAMMAGE	Internal	gm/m <sup>2</sup>	16.8	21.0	26.6	32.2	50.4	
YIELD	Internal	m <sup>2</sup> /kg	59.52	47.62	37.59	31.05	19.84	
		in <sup>2</sup> /lb	41934	33550	26483	21876	13978	
TREATMENT LEVEL #	D-2578	dyne/cm	52	52	52	52	52	
Corona treated Side (Min)								
COEFF OF KINETIC FRICTION (Max)	D-1894	-	0.50	0.50	0.50	0.50	0.45	
(One side to other side)								
HAZE (Max)	D-1003	%	5.0	5.0	5.0	5.5	6.0	
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	1800	1800	1800	1800	1700
	TD*			1900	1900	1900	1900	1900
TENSILE STRENGTH AT BREAK	MD*	D-882	(Psi)	25500	25500	25500	25500	24200
	TD*			27000	27000	27000	27000	27000
ELONGATION AT BREAK	MD	D-882	%	105	105	110	115	120
	TD			85	85	85	90	90
LINEAR SHRINKAGE (Max.) (30 Minute at 150 <sup>o</sup> C)	MD	D-1204	%	< 3.0				
	TD			< 1.0				
W.V.T.R.(38 <sup>o</sup> C & 90%RH)	F-1249	gm/m <sup>2</sup> /day	45	40	35	30	20	
		(gm/100in <sup>2</sup> /day)	2.9	2.6	2.3	2.0	1.3	
O.T.R. (23 <sup>o</sup> C & 0%RH)	D-3985	cc/m <sup>2</sup> /day	130	110	90	80	70	
		(cc/100in <sup>2</sup> /day)	8.5	7.1	5.8	5.2	4.5	

Ref no. QAD UFLI S/10 - F37/1

\*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

\*\*TDS issued on 11-02-2015. All previous version of this grade are invalid.

Website: [www.flexfilm.com](http://www.flexfilm.com)