

TECHNICAL DATA SHEET
Product Description:

F-YRN is a transparent polyester film

It is both side untreated or one corona side treated

Application:

Metallic yarn

Synthetic jari(Yarn)

Metallization, Lacquering

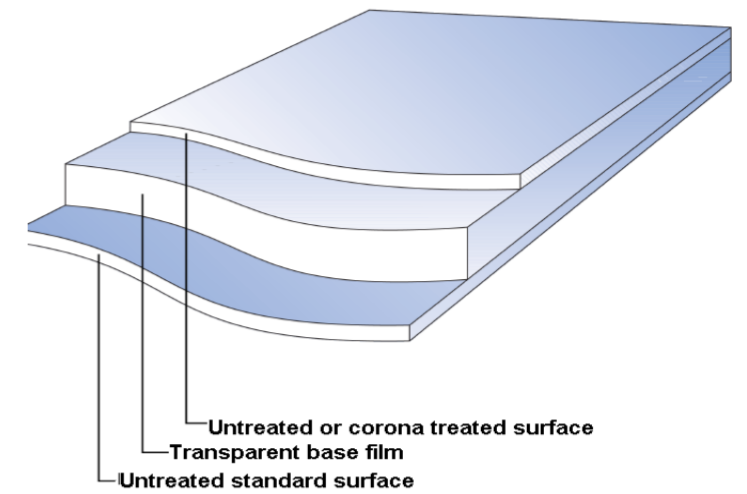
Key Features:

Excellent clarity & transparency

Very High thermal stability

Excellent machinability & handling properties

High mechanical properties

Film Structure


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE			
			12	15	23	36
THICKNESS	Internal	Micron (Gauge)	12 48	15 60	23 92	36 144
FILM DENSITY	D-1505	gm/cc	1.4	1.4	1.4	1.4
GRAMMAGE	Internal	gm/m ²	16.8	21	32.2	50.4
YIELD	Internal	m ² /kg in ² /lb	59.52 41934	47.62 33550	31.05 21876	19.84 13978
TREATMENT LEVEL # (Min) (Corona treated Side)	D-2578	dyne/cm	52	52	52	52
COEFF OF KINETIC FRICTION (Max) (Corona treated to plain) (Plain to plain)	D-1894	-	0.55 0.50	0.55 0.50	0.50 0.45	0.50 0.45
HAZE (Max)	D-1003	%	4.0	4.0	4.5	5.0
TENSILE STRENGTH AT BREAK (Min)	MD* TD*	Kg/cm ²	2000	2000	2000	1750
TENSILE STRENGTH AT BREAK (Min)	MD* TD*		(Psi)	2100 28500	2100 28500	2100 28500
ELONGATION AT BREAK	MD TD	%	100 80	100 80	120 90	120 90
LINEAR SHRINKAGE (Max.) (5 Minute at 190 ⁰ C)	MD TD	%	4.0	4.0	4.0	-
LINEAR SHRINKAGE (Max.) (30 Minute at 150 ⁰ C)	MD TD		-	-	-	2.0 0.5
W.V.T.R.(38 ⁰ C & 90%RH)	F-1249	gm/m ² /day (gm/100in ² /day)	45 2.9	40 2.6	30 2.0	20 1.3
O.T.R. (23 ⁰ C & 0%RH)	D-3985	cc/m ² /day (cc/100in ² /day)	130 8.5	110 7.1	80 5.2	70 4.5

Ref no QAD UFLI S/10 - F14/1

*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