

TECHNICAL DATA SHEET
Product Description:

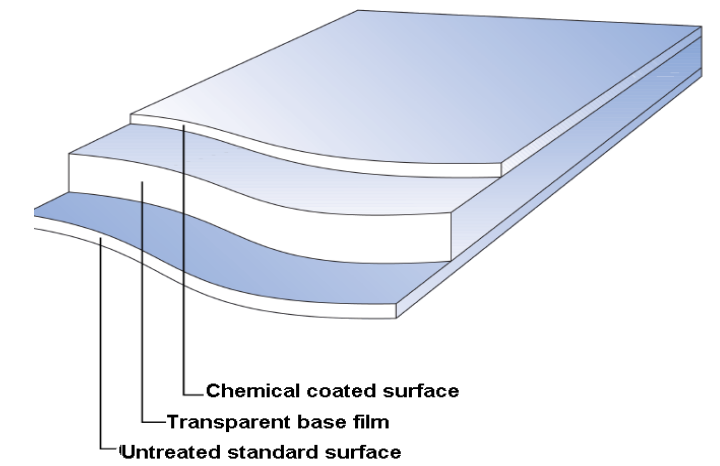
F-CHY is a transparent polyester film
It is one side chemical coated other side untreated

Application:

Metallic yarn
Synthetic jari(Yarn)
Metallization, Lacquering
Printing & lamination

Key Features:

Excellent clarity & transparency
Very High thermal stability
Excellent machinability & handling properties
High mechanical properties
Improved metal & various type Ink adhesion on chemical coated side

Film Structure


PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE	
			12	23
THICKNESS	Internal	Micron (Gauge)	12 48	23 92
FILM DENSITY	D-1505	gm/cc	1.4	1.4
GRAMMAGE	Internal	gm/m ²	16.8	32.2
YIELD	Internal	m ² /kg in ² /lb	59.52 41934	31.05 21876
TREATMENT LEVEL # (Min) (Chemical coated Side)	D-2578	dyne/cm	60	60
COEFF OF KINETIC FRICTION (Max) (Chemical coated to plain side)	D-1894	-	0.50	0.50
HAZE (Max)	D-1003	%	4.0	4.5
TENSILE STRENGTH AT BREAK	D-882	Kg/cm ²	2000	2000
TENSILE STRENGTH AT BREAK			2100	2100
TENSILE STRENGTH AT BREAK	D-882	(Psi)	28500	28500
TENSILE STRENGTH AT BREAK			30000	30000
ELONGATION AT BREAK	D-882	%	105	120
ELONGATION AT BREAK			80	90
LINEAR SHRINKAGE (Max.) (5 Minute at 190°C)	D-1204	%	4.0	4.0
LINEAR SHRINKAGE (Max.) (5 Minute at 190°C)			0.5	0.5
W.V.T.R.(38°C & 90%RH)	F-1249	gm/m ² /day (gm/100in ² /day)	45 2.9	30 2.0
O.T.R. (23°C & 0%RH)	D-3985	cc/m ² /day (cc/100in ² /day)	130 8.5	80 5.2

Ref no QAD UFLI S/10 - F18/1

*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