

F-CHY

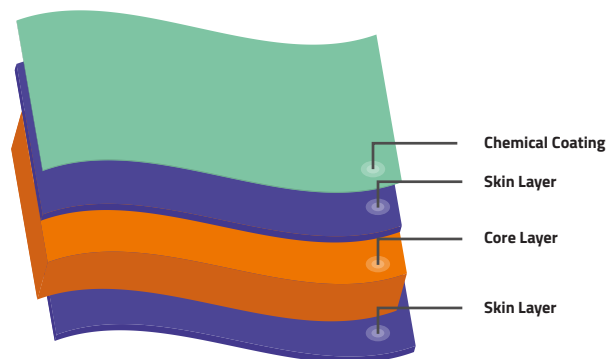
CHEMICAL COATED YARN GRADE FILM

F-CHY is a transparent BOPET film. The Film is one side chemical coated other side untreated.

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



APPLICATION:

- Metallic yarn
- Synthetic Jari (yarn)
- Metallization Lacquering
- Printing & Lamination

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES	
THICKNESS		Internal	Micron	12	23
			(Gauge)	48	92
YIELD		Internal	m ² / kg	59.52	31.05
			in ² /lb	41934	21876
SURFACE TENSION # (Chemical Coated Side)		ASTM D-2578	-	60	
COF (max) (One side to the other side)		ASTM D-1894	-	0.5	0.5
HAZE (max)		ASTM D-1003	%	4.0	4.5
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	2000	2000
	TD			2100	2100
	MD		(Psi)	28500	28500
	TD			30000	30000
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	105	120
	TD			80	90
LINEAR SHRINKAGE (max) (5 Minute at 190°C)	MD	ASTM D-1204	%	4.0	
	TD			0.5	
W.V.T.R. (38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	45	30
			(gm/100 in ² /day)	2.9	2.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	130	80
			(cc/100 in ² /day)	8.5	5.2

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

STORAGE & HANDLING

FLEXPET™ need to be stored in a warehouse below 35°C (95° F) and should not be exposed to direct sunlight, bright light sources or high humidity. If the material is stored in the recommended conditions, FLEXPET™ is suitable for use within 270 days from date of shipment.

FOOD CONTACT

FLEXPET™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific document and SDS are available on request.

DISCLAIMER

It is the responsibility of our customers to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data 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 provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.