

# F-CCY

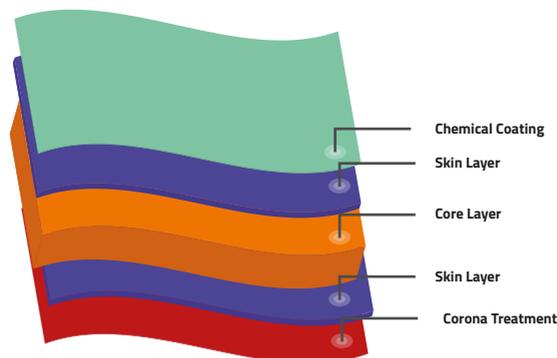
## CHEMICAL COATED YARN GRADE FILM

F-CCY is a transparent BOPET film. The Film is one side chemical coated other side corona treated.

### KEY FEATURES:

- Excellent clarity & transparency
- Very High thermal stability
- Excellent machinability & handling properties
- High mechanical properties
- Improved adhesion to metal & various Inks on chemical coated side & enhances laminate bond strength with outer substrate

## 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 <sup>2</sup> / kg	59.52	31.05
			in <sup>2</sup> /lb	41934	21876
SURFACE TENSION # (Chemical Coated Side) (Corona Treadted side)		ASTM D-2578	-	60	
				52	
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 <sup>2</sup>	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 <sup>2</sup> /day	45	30
			(gm/100 in <sup>2</sup> /day)	2.9	2.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	80
			(cc/100 in <sup>2</sup> /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

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