

F-ISC

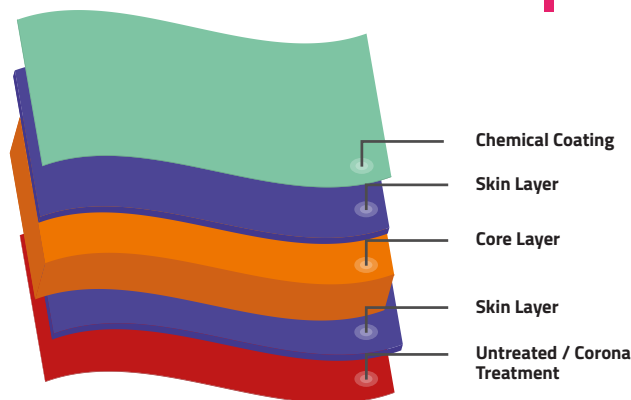
ISOTROPIC CHEMICAL COATED FILM

F-ISC is a transparent BOPET film. The film is one side Chemically Coated & one side Untreated or Corona Treated.

KEY FEATURES:

- High clarity
- Primer coating provides excellent adhesion with inks & adhesives
- Excellent machinability & handling properties
- Excellent metal adhesion on the Chemically Coated side
- Not suitable for hot fill, sterilization, or pasteurization
- Balanced mechanical properties in all directions

FILM STRUCTURE



APPLICATION:

- Converting, Metallization
- Printing & Lamination
- Form, Fill, & Seal Structures
- Lidding application on dairy products

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES
THICKNESS	Internal	Micron	12
		(Gauge)	48
YIELD	Internal	m ² / kg	59.52
		in ² /lb	41934
SURFACE TENSION (min) # (Corona Treated surface) (Chemical Coated surface)	ASTM D-2578	dyne/cm	52
			60
COF (max) (One side to other side)	ASTM D-1894	-	0.50
HAZE (max)	ASTM D-1003	%	4.0
TENSILE STRENGTH AT BREAK (min)	ASTM D-882	kg/cm ²	1800
			1900
		(Psi)	25500
			27000
ELONGATION AT BREAK (min)	ASTM D-882	%	110
			95
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	ASTM D-1204	%	3.0
			1.0
MVTR (38°C & 90% RH) (typical)	ASTM F-1249	gm/m ² /day	45
		(gm/100 in ² /day)	2.9
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m ² /day	130
		(cc/100 in ² /day)	8.5

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

STORAGE & HANDLING

FLEXPET™ needs to be stored in a closed 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 the date of shipment.

FOOD CONTACT

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

DISCLAIMER

It is the responsibility of our customer 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.