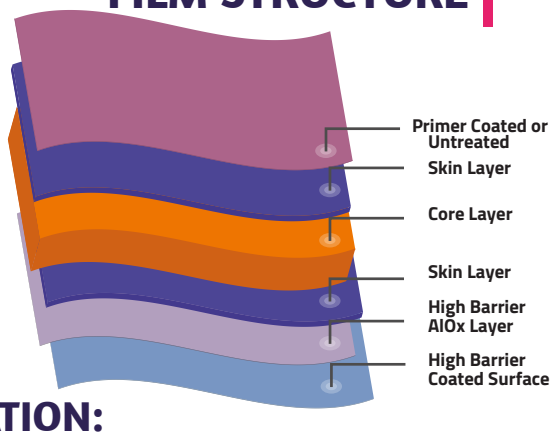
F-PSX

HIGH BARRIER ALOX FILM

F-PSX is a high barrier transparent BOPET film. The film has a Protective Printable layer atop a High Barrier vacuum deposit on one side with the other side Primer Coated or Untreated.

FILM STRUCTURE



KEY FEATURES:

- Excellent moisture & oxygen barrier properties
- Higher yield over PVDC coated films
- PVDC / EVOH (PE) coated film replacement
- Environmentally friendly
- High clarity and product visibility

APPLICATION:

- The film is suitable for high barrier applications like dried meat snacks, confectionaries, microwavable foods, etc
- Eye catching packaging
- Handle film with care during printing and lamination processes to retain high barrier properties
- Suitable for hot fill, sterilization, pasteurization, and retort applications (125ºC/45min)
- Industrial packaging

Key note:- Selection of specific ink & adhesive For Retort Application

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	9.5	12.5	23.5
			(Gauge)	38	50	94
YIELD		Internal	m^2 / kg	75.18	57.14	30.40
			in^2 /lb	52967	40257	21410
SURFACE TENSION (min) (Primer Coated or Untreated Side)		ASTM D-2578	dyne/cm	42		
(High Barrier Coated Surface)				56		
COF (max) (One side to the other side)		ASTM D-1894	-	0.50	0.50	0.50
HAZE (max)		ASTM D-1003	%	3.0	3.0	3.5
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm^2	1900	1900	1900
	TD			2000	2000	2000
	MD		(Psi)	27000	27000	27000
	TD			28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	100	105	115
	TD			80	85	90
LINEAR SHRINKAGE (max) (30 Minute at 150ºC)	MD	ASTM D-1204	%	3.0		
	TD			1.0		
MVTR (38ºC & 90% RH) (typical)		ASTM F-1249	gm/m^2/day	0.3	0.3	0.3
			($gm/100\ in^2$/day)	0.019	0.019	0.019
OTR (23ºC & 0% RH) (typical)		ASTM D-3985	cc/m^2/day	0.3	0.3	0.3
			($cc/100\ in^2$/day)	0.019	0.019	0.019

The Barrier numbers typical values of Alox film triplex structure W.V.T.R - < 0.25 gm/m2/day & O.T.R - < 0.15 cc/m2/day.

STORAGE & HANDLING

FLEX ALOXPROTECT™ needs 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 this material is suitable for use within 180 days from the date of shipment.

FOOD CONTACT

FLEX ALOXPROTECT™ 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.

Ref. No: QAD UFLI S/23 - FAL/Jun-23/P
**** TDS issued on 10-06-2023. All previous version of this grade are invalid.**

FlexFilms
Manufacturing Facilities at
India | UAE | Poland | Egypt | Mexico |
USA | Hungary | Russia | Nigeria
enquiry@flexfilm.com
www.flexfilm.com