

PROVISIONAL TECHNICAL DATA SHEET
High Barrier AlOx Film

(BIAXIALLY ORIENTED POLYESTER FILM)

Product Description:

➤ F-PGX is a high barrier transparent polyester film

➤ The film has a Protective Printable layer atop a High Barrier vacuum deposit on one side with the other side treated with an Acrylic Slip Coat.

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

➤ Industrial packaging

Key Features:

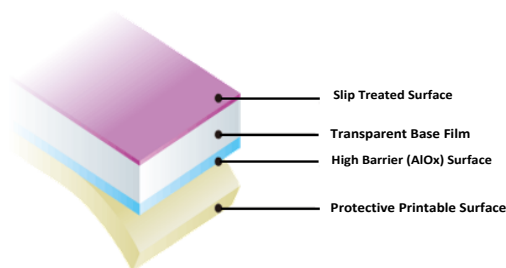
➤ Excellent moisture & oxygen barrier properties

➤ Higher yield over PVDC coated films

➤ PVDC / EVOH (PE) coated film replacement

➤ Environmentally friendly

➤ High clarity and product visibility

Film Structure


PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	9.5	12.5	23.5
			(Gauge)	38	50	94
YIELD			m ² /kg	75.18	57.14	30.40
			in ² /lb.	52967	40257	21410
SURFACE TENSION (range)		D-2578	Dyne/cm	38-44 48-54		
(Slip Treated surface)						
(High Barrier surface)						
COF (max)		D-1894	-	0.50 0.50 0.50		
(One side to the other side)						
HAZE (max)		D-1003	%	3.0	3.0	3.5
TENSILE STRENGTH AT BREAK (min)	MD	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		%	100	105	115
	TD			80	85	90
LINEAR SHRINKAGE (max)	MD	D-1204	%	3.0		
(30 Minute at 150 ⁰ C)	TD			1.0		
MVTR (max)		F-1249	gm/m ² /day (gm/100in ² /day)	1.0		
(38°C & 90%RH)				0.065		
OTR (max)		D-3985	cc/m ² /day (cc/100in ² /day)	1.0		
(23°C & 0%RH)				0.065		
AVAILABLE WIDTHS (max)		-	mm	1250		

Rev. Date: 12/16/2016

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 6 month from the date of manufacturing.

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 customers 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 on the 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 Films (USA) Inc. gives no warranty nor accepts 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.