

F-AFR-M

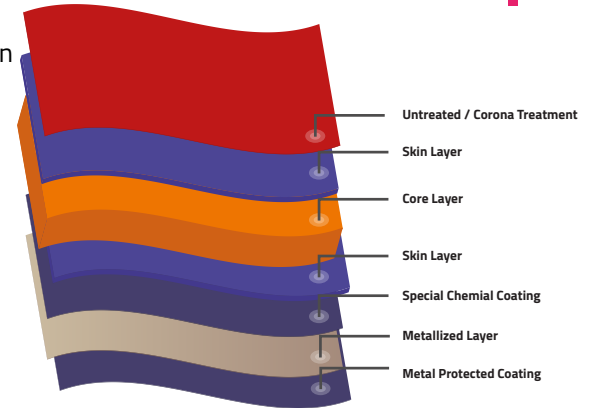
HIGH BARRIER METALLIZED BOPET FILM

F-AFR-M is a Exceptional barrier metal protected BOPET film having metallization on one side and other side untreated or corona treated. The base metallized film having metal bond strength >600gm/25mm. Sustainable & recyclable solutions to replace AL foil.

KEY FEATURES:

- Exceptional oxygen & moisture barrier
- Replacement of AL foil
- Excellent Machinability & handling properties

FILM STRUCTURE



APPLICATION:

- Dry fruits & beverage packaging
- Lamination

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES
OPTICAL DENSITY*** (TOLERANCE : +/- 5%)				2.8
THICKNESS		Internal	Micron	12.5
			(Gauge)	50.0
YIELD		Internal	m ² / kg	57.14
			in ² /lb	40257
COF (max) One side to the other side		ASTM D-1894	-	0.70
TENSILE STRENGTH AT BREAK (min)		ASTM D-882	kg/cm ²	1900
				2000
			(Psi)	27000
				28500
ELONGATION AT BREAK (min)		ASTM D-882	%	100
				85
LINEAR SHRINKAGE (max) (30 Minute at 105°C)		ASTM D-1204	%	1.5
				0.6
WVTR (38°C & 90%RH) (typical)		ASTM F-1249	gm/m ² /day	<0.1
			(gm/100in ² /day)	<0.006
OTR (23°C & 0%RH) (typical)		ASTM D-3985	cc/m ² /day	<0.1
			(cc/100in ² /day)	<0.006

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

STORAGE & HANDLING

FLEXMETPROTECT™ 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, FLEXMETPROTECT™ is suitable for use within 180 days from the date of shipment.

FOOD CONTACT

FLEXMETPROTECT™ complies with EU and FDA regulations on plastic materials used for food grade application. 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.

FlexFilms

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