

F-HBP-M

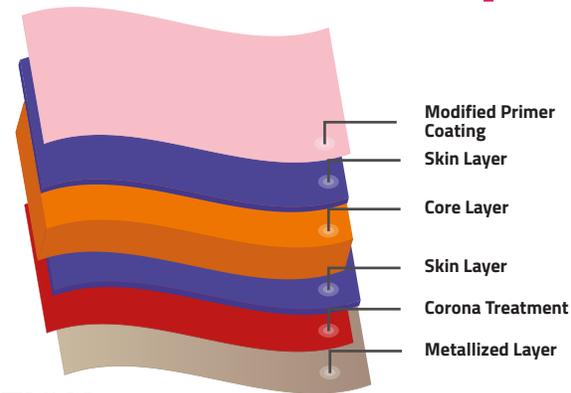
METALLIZED HIGH BARRIER FILM

The film is one side Modified Primer Coated and other side Metallized on Corona Treated. F-HBP-M is a metallized BOPET film having superior barrier properties. The film has superior gloss and is available in 3.0 optical density. The bond strength between the metal and the Corona Treated surface (MT) is a minimum of 130gm/25mm.

KEY FEATURES:

- Superior gloss
- Superior barrier properties
- Excellent machinability & handling properties
- Consistent metal deposition

FILM STRUCTURE



APPLICATION:

- Ideal for products requiring extended shelf life & high barrier against oxygen and moisture
- Foil replacement

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES	
OPTICAL DENSITY (TOLERANCE: +/- 5%)				Very High Density (VHD) 3.0 - Special Application	
THICKNESS		Internal	Micron	12	
			(Gauge)	48	
YIELD		Internal	m ² / kg	59.52	
			in ² /lb	41934	
SURFACE TENSION (min)★ (Modified Primer Coated surface)		ASTM D-2578	dyne/cm	52	
COF (max) (one side to other side)		ASTM D-1894	-	0.70	
TENSILE STRENGTH AT BREAK (min)		ASTM D-882	kg/cm ²	MD	1900
				TD	2000
			(Psi)	MD	27000
				TD	28500
ELONGATION AT BREAK (min)		ASTM D-882	%	MD	105
				TD	85
LINEAR SHRINKAGE (max) (30 Minute at 105°C)		ASTM D-1204	%	MD	1.5
				TD	0.6
GLOSS (min) (Metallized surface) (Bare surface)		ASTM D-2457	-		850
					800
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	0.14	
			(gm/100 in ² /day)	0.009	
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	0.24	
			(cc/100 in ² /day)	0.0182	

★ This dyne value is applicable only for NAFTA, SA, and Poland manufacturing plants.

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.

Ref. No: QAD UFLI S/20 - MF10/1

** TDS issued on 14-10-2021. 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