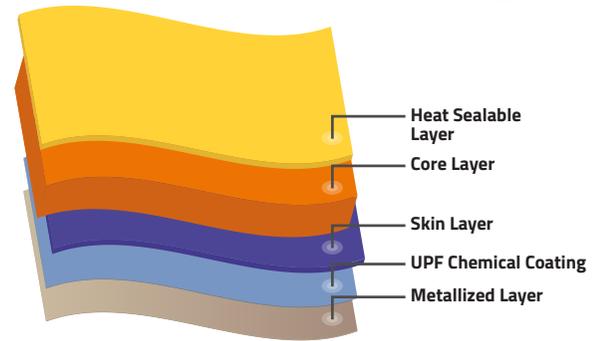


F-HSP-U1-M

METALLIZED HEAT SEALABLE FILM

Base polyester is one surface Heat Sealable with the other surface being a UPF Chemical Coated surface. F-HSP-U1-M is a metallized BOPET film. The film is excellent for tack seal applications and is available in optical densities ranging from 2.2 to 2.8. The metallization is available on the UPF Chemical Coated surface giving a bond strength between the metal and the film a minimum of 600gm/25mm.

FILM STRUCTURE



KEY FEATURES:

- One side special modified heat seal functional surface has excellent heat seal strength
- Good handling properties with excellent metal adhesion
- Seals to itself, APET, CPET, & PVDC
- Does not seal against PE, PP, or PS

APPLICATION:

- Lidding & Laminate
- Flexible Packaging
- Food tray applications

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES		
OPTICAL DENSITY*** (TOLERANCE: +/- 5%) (***Customer to specify the OD value as per their specification.)			Standard Density (SD) 2.2 - Barrier packaging application		
			High Density (HD) 2.5 - High barrier application		
			Very High Density (VHD) 2.8 - Special application		
THICKNESS	Internal	Micron	12	20	23
		(Gauge)	48	80	92
YIELD	Internal	m ² / kg	59.52	35.70	31.05
		in ² /lb	41934	25159	21876
COF (max) (One side to the other)	ASTM D-1894	-	0.80		
TENSILE STRENGTH AT BREAK (min)	MD TD MD TD	kg/cm ²	1700	1600	1600
			1900	2000	2000
		(Psi)	24200	22700	22700
			27000	28500	28500
ELONGATION AT BREAK (min)	MD TD	ASTM D-882	%	115	120
			85	90	90
LINEAR SHRINKAGE (max) (30 Minute at 105°C)	MD TD	ASTM D-1204	%	1.5	
			0.6		
HEAT SEAL TEMP. RANGE	Internal	°C	110-200	120-200	120-200
SEAL STRENGTH (120°C, 1 sec, 2.8 bar)	FIN SEAL	ASTM D-882	gm/25mm	400	700
MVTR (38°C & 90% RH) (typical)	ASTM F-1249	gm/m ² /day	SD	HD	VHD
			1.0	0.6	0.4
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m ² /day	(gm/100 in ² /day)	0.06	0.04
			0.07	1.1	1.0
		(cc/100 in ² /day)	0.06	0.06	0.05

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 270 days from the date of shipment.

FOOD CONTACT

FLEXMETPROTECT™ 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.