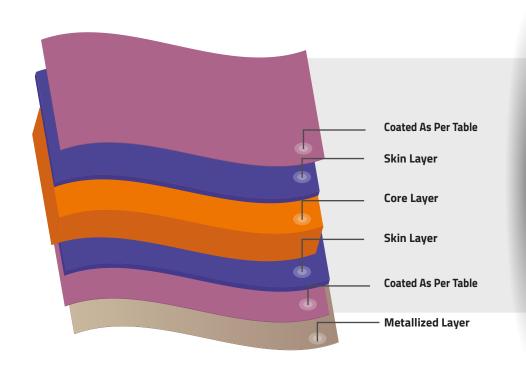


F-DSC-AP-M, F-DSC-CA-M, F-DSC-CC-M, F-DSC-CP-M, F-DSC-PM-M, F-DSC-PP-M

METALLIZED-BOTH SIDES COATED FILMS

Metallized Both-Sides-Coated Films are double coated BOPET films with various options (see grade table). The metallization is available on either side as specified by the customer. These films are available in optical densities ranging from 2.2 to 2.8; this wide range gives options to the customer to use the product for a diverse range of applications. The bond between the metal and film is a minimum of 500 gm/25mm for a Chemical Coated surface, 600 gm/25mm for a UPF Chemical Coated surface, and 1200 gm/25mm for a Modified Chemical Coated surface.



FILM STRUCTURE

KEY FEATURES:

- Excellent gloss
- Good barrier properties
- Excellent machinability & handling properties
- Chemical & Primer Coated surfaces provide excellent adhesion with inks & various adhesives

APPLICATION:

- Applications vary by coating type.
- See grade table



FLEXMETPROTECT™ GRADE	ONE SURFACE	OTHER SURFACE		KEY FEATURES / APPLICATIONS			METALIZATION SIDE				
F-DSC-AP-M	UPF CHEMICAL	STANDARD PRIMER		Hot fill applications							
F-DSC-CA-M	CHEMICAL	STANDA	RD PRIMER	Form, Fill, & Seal Structure		Metallization will be on either the Chemical, Modified Chemical, or UPF Chemical					
F-DSC-CC-M	CHEMICAL	CHE	MICAL	Form, Fill, & Seal Structure							
F-DSC-CP-M	CHEMICAL	UPF CHEMICAL		Form, Fill, & Seal Structure			Coated surface.				
F-DSC-HH-M	MODIFIED CHEMICAL	MODIFIED CHEMICAL		Hot	Hot fill applications up to 80°C			TO BE SPECIFIED BY THE CUSTOMER.			
F-DSC-PM-M	UPF CHEMICAL	MODIFIED PRIMER		Fo	rm, Fill, & Se	eal Structure	•				
PROPERTIES	TEST METHOD		Ut	NIT	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		10	12	15	19	23	36	50
THICKINESS			(Gauge)		40	48	60	76	92	144	200
YIELD	Internal		m² / kg		71.42	59.52	47.62	37.59	31.05	19.84	14.28
TILLD			in² /lb		50318	41934	33550	26483	21876	13978	10060
SURFACE TENSION (min) ★ (Standard Primer Coated surface) (Modified Primer Coated surface) (Chemical Coated surface) (UPF Chemical Coated surface) (Modified Chemical Coated surface)	ASTM D-2578		dyn	e/cm	40 52 60 48 42						
COF (max) (One side to the other side)	ASTM D-1894			-	0.70						
TENSILE STRENGTH AT BREAK (min) MD TD	- ASTM D-882		kg/cm²		1900	1900	1900	1900	1900	1750	1750
					2000	2000	2000	2000	2000	2000	2000
			(Psi)		27000	27000	27000	27000	27000	25000	25000
					28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min) MD TD	ASTM D-882		%		100	105	105	110	115	120	125
					80	85	85	85	90	90	95
LINEAR SHRINKAGE (max) MD (30 Minute at 105°C) TD	ASTM D-1204			%	1.5 0.6						
			†		SD		HD VHD				
MVTR (38° C & 90% RH) (typical)	ASTM F-1249		gm/m²/day		1.0			0.6		0.4	
1V1V1K (38°C & 90% KH) (LYPICAL)			(gm/100) in²/day)	0.06			0.04		0.03	
OTR (23°C & 0% RH) (typical)	ASTM D-3985		cc/m²/day		1.1			1.0		0.8	
OTN (25 C & O ₆ KH) (typical)			(cc/100	in²/day)	0.07		0.06 0.05				

 $[\]bigstar$ This dyne value is applicable only for NAFTA, SA, and Poland manufacturing plants.

STORAGE & HANDLING

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

FOOD CONTACT

FLEXMETPROTECTTM 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.

