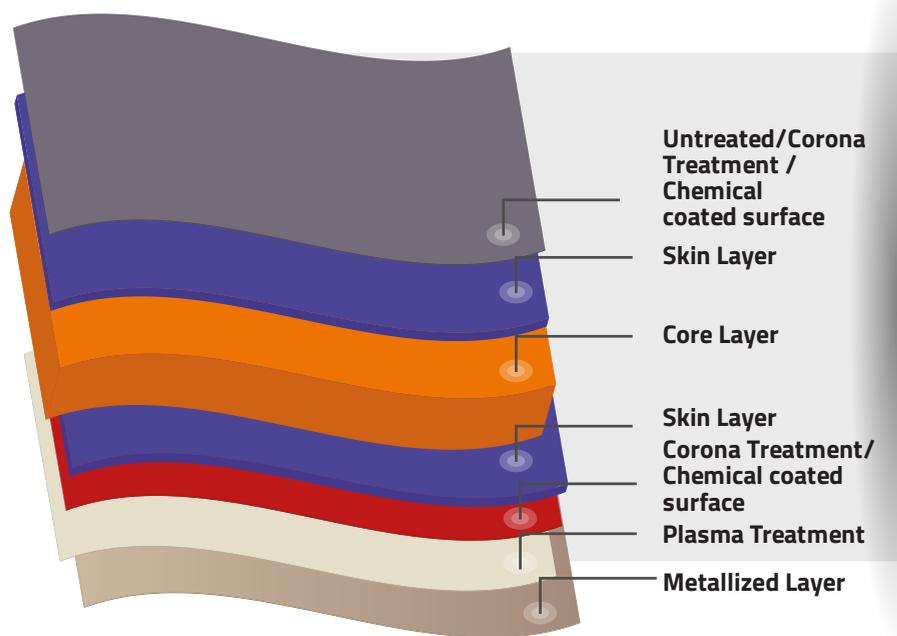


F-CHE-PZ-M, F-CHC-PZ-M, F-CLR-C1-PZ-M, F-CLR-C2-PZ-M, F-XLR-C1-PZ-M, F-XLR-C2-PZ-M

CHEMICAL COATED PLASMA METALLIZED BOPET FILM

Chemical coated plasma metallized films are BOPET films with one side plasma treated metallization. Plasma treated metallized films are specially designed to meet stringent requirements of barrier properties. The films are available with plasma metallization on chemical coated side (MC) or on corona treated side (MT), as specified by the customer. The bond between the metal & film 200 gm/25mm (when metallized on Corona Treated side) & 550 gms/25mm (when metallized on Chemical coated side)



FILM STRUCTURE

KEY FEATURES:

- Packaging and Lamination
- Duct Insulation
- Decorative application
- High Barrier multilayer laminate

APPLICATION:

- Excellent Barrier properties
- Improved metal bond adhesion
- Good Machinability

FLEXMETPROTECT™ GRADE		BASE FILM	ONE SURFACE	OTHER SURFACE	METALIZATION SIDE			
F-CHE-PZ-M		STANDARD	PLASMA	PLAIN / CHEMICAL COATED	Metallization will be on Plasma Treated surface			
F-CHC-PZ-M		STANDARD	PLASMA	CORONA / CHEMICAL COATED				
F-CLR-C1-PZ-M		OPTICALLY CLEAR	PLASMA	CORONA / CHEMICAL COATED				
F-CLR-C2-PZ-M		OPTICALLY CLEAR	PLASMA	PLAIN / CHEMICAL COATED				
F-XLR-C1-PZ-M		EXTRA CLEAR	PLASMA	CORONA / CHEMICAL COATED				
F-XLR-C2-PZ-M		EXTRA CLEAR	PLASMA	PLAIN / CHEMICAL COATED				
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	10	12	15	19	23
			(Gauge)	40	48	60	76	92
YIELD		Internal	m ² / kg	71.42	59.52	47.62	37.59	31.05
			in ² /lb	50318	41934	33550	26483	21876
SURFACE TENSION (min) # ★ (Corona Treated Side) (Corona Treated Side)		ASTM D-2578	dyne/cm	60				
				52				
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	1900	1900	1900	1750
				2000	2000	2000	2000	2000
			(Psi)	27000	27000	27000	27000	27000
				28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)		ASTM D-882	%	105	105	105	105	105
				95	95	95	95	95
LINEAR SHRINKAGE (max) (105°C/5 Minute)		ASTM D-1204	%	1.5				
				0.6				
MVTR (38° C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day (gm/100 in ² /day)	SD	HD	VHD		
				1.0	0.6	0.4		
				0.06	0.04	0.03		
OTR (23° C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day (cc/100 in ² /day)	1.1	1.0	0.8		
				0.07	0.06	0.05		

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