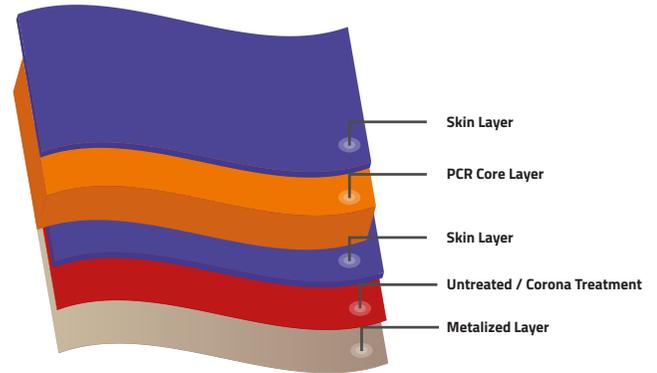


F-PCR-M

POST CONSUMER RECYCLED CONTENT METALLIZED FILM

F-PCR-M grade of Metallized BOPET film is manufactured by using the raw material containing 25%-90% of post consumer recycled PET resin. It is available & optical density ranging from 2.0 to 3.0. The wide range of optical properties give choice to the customer to use the product for diverse range of applications. The metallization is available on plain side (MU) or on corona side (MT), as specified by the customer. The bond between the metal and the film are as follows-metallized on Untreated film- 100 gm/25mm, metallized on corona surface- 130 gm/25mm.

FILM STRUCTURE



KEY FEATURES:

- Good Optical properties
- Good Metal Adhesion
- Excellent Machinability & Dimensional stability

APPLICATION:

- Flexible Packaging
- Lamination
- Duct Insulation

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES				
OPTICAL DENSITY*** (TOLERANCE : +/- 5%) (*** Customer to specify the O.D. value as per their application)				SD: 2.2 - Normal Packaging Application HD: 2.5 - High Barrier Application VHD: 2.8 - Special Application				
THICKNESS	Internal	Micron		12	15	19	23	36
		(Gauge)		48	60	76	92	144
YIELD	Internal	m ² / kg		59.52	47.62	37.59	31.05	19.84
		in ² /lb		41934	33550	26483	21876	13978
COF (max) One side to the other side		ASTM D-1894	-	0.70	0.70	0.70	0.70	0.70
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1800	1800	1800	1700	1750
	TD			1900	1900	1900	1900	2000
	MD		(Psi)	25500	25500	25500	24200	24200
	TD			27000	27000	27000	27000	27000
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	105	105	110	120	120
	TD			85	85	85	90	90
LINEAR SHRINKAGE (max) (30 Minute at 105°C)	MD	ASTM D-1204	%	1.5				
	TD			0.6				
WVTR (38°C & 90%RH) (typical)	ASTM F-1249	gm/m ² /day		SD	HD	VHD		
				1.0	0.6	0.4		
			(gm/100in ² /day)	0.06	0.04	0.03		
OTR (23°C & 0%RH) (typical)	ASTM D-3985	cc/m ² /day		1.1	1.0	0.8		
		(cc/100in ² /day)		0.07	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 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 - MF47/1

** TDS issued on 01-04-2020. 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