(METALLIZED POLYESTER FILM)

TECHNICAL DATA SHEET

Product Description:

Polyester film having metal deposit layer on one side and other side untreated standard surface

Key Features:

Excellent Gloss

Good Barrier Properties

Excellent Mach inability & handling properties

Applications:

Flexible Packaging

Lamination

Duct Insulation

Decorative application

PET GRADE	BASE FILM	ONE SURFACE	OTHER SURFACE	METALLIZATION SIDE
F-MTG-M	STANDARD	PLAIN	PLAIN / CORONA	Metallization will be either side
F-CLR-M	OPTICALLY CLEAR	PLAIN	PLAIN / CORONA	(i.e. On corona or Untreated side)
F-XLR-M	EXTRA CLEAR	PLAIN	PLAIN / CORONA	**TO BE SPECIFIED BY CUSTOMER**

PET **above grades** of films are metallised polyester film. The film have superior gloss when metallized on optically clear base film and further improved when metallized on extra clear base film. Film is available in optical density ranging from 1.4 to 3.0.The wide range of optical densities 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 treated side (MT) , as specified by the customer. The bond between the metal & film is 175-200gm/25mm (when metallized on plain side) or >200 gms/25mm (when metallized on corona side).

PROPERTIES		TEST METHOD (ASTM)	UNIT		TYPICAL VALUE					
					9	10	12	15	19	23
OPTICAL DENSITY*** (TOLERANCE : +/- 5%) (*** Customer to specify the O.D.value as per their application)		Gretag	-				SD 2.2 - Normal Packaging Application HD 2.5 - High Barrier Application VHD 2.8 - Special Application			
THICKNESS		Internal		Micron	9	10	12	15	19	23
				(Gauge)	36	40	48	60	76	92
FILM DENSITY		D-1505		gm/cc	1.4	1.4	1.4	1.4	1.4	1.4
GRAMMAGE		Internal		gm/m^2	12.6	14	16.8	21.0	26.6	32.2
YIELD		Internal		m^2/kg	79.36	71.42	59.52	47.62	37.59	31.05
COEFF OF KINETIC FRICTION		D-1894		-	0.7	0.7	0.7	0.7	0.7	0.7
METAL WOUND					# MI/MO	MI/MO	MI/MO	MI/MO	MI/MO	MI/MO
TENSILE STRENGTH AT BREAK	MD*	D-882		Kg/cm^2	1900	1900	1900	1900	1900	1900
	TD*				2000	2000	2000	2000	2000	2000
	MD*			(Psi)	27000	27000	27000	27000	27000	27000
	TD*				28400	28400	28400	28400	28400	28400
ELONGATION AT BREAK	MD	D-882		%	105	105	105	105	120	125
	TD				95	95	95	95	95	95
LINEAR SHRINKAGE (Max.) (AT 105^0 C/30 Minute)	MD	D-1204	%	%	1.5	1.5	1.5	1.5	1.5	1.5
	TD				0.6	0.6	0.6	0.6	0.6	0.6
							SD	HD	VHD	
W.V.T.R.(38^0C & 90%RH)		F-1249		gm/m^2/day			1.0	0.6	0.4	
				($gm/100in^2$/day)			0.06	0.04	0.03	
O.T.R. (23^0C & 0%RH)		D-3985		cc/m^2/day			1.1	1.0	0.8	
				($cc/100in^2$/day)			0.07	0.06	0.05	

Ref no QAD UFLI S/10 - MF 1/1

***MD = MACHINE DIRECTION *TD = TRANSVERSE DIRECTION**
 # MI = Metal wound inside MO = Metal wound out side
SD- Standard Density, HD - High Density, VHD - Very High Density

STORAGE & HANDLING

PET need not to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35° C in dry place PET is suitable for use within 6 months from date of manufacturing, only if stored in recommended condition.

FOOD CONTACT

PET complies with EC and FDA regulations. Specific document and MSDS are available on request.

DISCLAIMER

The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It 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.Maker Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose.Maker reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information

KRAKCHEMIA SA
PL 30-832 Kraków, ul. Płk. St. Dąbka 10
tel. +48 12 652 20 00
fax +48 12 652 20 01
www.krakchemia.pl

Sąd Rejonowy dla Krakowa-Śródmieścia.
XI Wydział Gospodarczy Krajowego Rejestru Sądowego
KRS: 0000217348.
NIP: 945-19-23-562
REGON: 357220430

Kapitał zakładowy: 10.000.000 - opłacony w całości
PKO BP SA PL64 1020 2892 0000 5602 0017 4870
SWIFT: BPKOPLPW
BRE BANK SA PL65 1140 1081 0000 5806 9400 1001
SWIFT: BREXPLPWKRA