MEC1-F

One side wide seal range heat sealable, other side treated, low COF metallized BOPP film with high barrier properties.

Properties

- One side aluminium coated by vacuum metalization with excellent adhesion
- Low permeability to gases, moisture and light
- Good dimensional stability under varying atmospheric conditions
- Very low COF

Applications

Widely used in laminate structures for high speed packaging applications where high barrier properties are required.

PROPERTIES	TEST CONDITIONS		UNITS	TYPICAL VALUES				
THICKNESS	.....		µ	15	18	20	25	30
			Gauge	60	72	80	100	120
THICKNESS TOLERANCE	.....		%	5				
UNIT WEIGHT	ASTM D 2673		g / m²	13.6	16.3	18.1	22.7	27.2
YIELD	ASTM D 2673		m² / kg	73.5	61.3	55.2	44.0	36.7
HAZE	ASTM D 1003		%	.....				
GLOSS	ASTM D 2457		%	.....				
OPTICAL DENSITY	MACBETH		.....	2.4				
COEFFICIENT OF FRICTION	ASTM D 1894	B/B*	.....	< 0.40				
		B/M*		< 0.25				
TENSILE STRENGTH	ASTM D 882	MD	N/mm²	120 ± 20				
		TD		270 ± 50				
ELONGATION AT BREAK	ASTM D 882	MD	%	190 ± 40				
		TD		45 ± 10				
HEAT SEAL TEMPERATURE	3 Bar / 0.5 Sec		°C	110 - 145				
SEAL STRENGTH	130°C / 3 Bar / 0.5 Sec		N / 15mm	≥ 2.3			≥ 3.0	
WVTR	ASTM F 1249 38°C / 90% RH		g / m² / day	≤ 0.3				
OTR	ASTM D 3985 23°C / 0% RH		$cm^3/m^2/day$	≤ 50				
HEAT SHRINKAGE	130°C / 7 mİn	MD	%	≤ 5.0				
		TD		≤ 3.0				

*B : Back side
*M : Metal

*All COF values are dynamic results

The climatic and storage conditions may influence the metallised surface treatment.
In-line corona treatment is recommended for lamination. An adequate primer on the metallized surface is suggested for printing.

The above information is the result of laboratory test which are applied on samples from standart production.Since the varying conditions under which our products used are beyond our control, all of the above results are without guarantee and warranty.

POLİBAK Plastik Film San. ve Tic.A.Ş. AOSB Izmir-TURKIYE
Phone : +90 232 3767970 Fax : +90 232 3767730
E-Mail : polibak@polibak.com.tr www.polibak.com.tr

Reference No : 2024/04/00