

VM-PET BR-PET

Aluminum-deposited barrier film

TECHNICAL DATA

(The below are representative/measured values and not guaranteed values.)

Features

Aluminum-deposited PET film that is highly resistant to oxygen and has excellent water-vapor-barrier and light-shading properties.

- Choose from a wide range of VM-PET and BR-PET series types to suit your application.
- We are constructing a supply chain for some products from overseas.

General Properties				VM-PET			BR-PET				
Item		Reference Standards	Unit	1310	1510	1519	1012	1012J	1312	1517	1412
Features				High adhesion		Thick deposition	High adhesion	High adhesion	High barrier	MD straight cut	
Application				Dry goods and Wet goods		Dry goods	Dry goods and Wet goods	Dry goods and Wet goods	Dry goods	Dry goods and Wet goods	
Film Surface Treatment				EC		EC	EC	AC	EC	EC	
Thickness			Micron	12	12	12	12	12	12	12	12
Tensile Strength	MD	JIS C2318	MPa	240	215	215	250	240	215	240	
	TD			230	215	215	230	215	230		
Tensile Elongation	MD	JIS C2318	%	120	170	170	110	120	170	120	
	TD			110	150	150	125	110	150	110	
Young's Modulus	MD	JIS C2318	MPa	4400	4000	4000	4800	4400	4000	4400	
	TD			4400	4000	4000	4700	4400	4000	4400	
Optical Density		Macbeth		2.0	2.0	3.0	2.0	2.0	2.5	2.0	
Gloss	Film surface Aluminum surface	JIS Z8741 (60°/60°)	%	450	450	500	600	450	650	450	
				730	730	800	800	750	800	750	
Wetting Tension		Aluminum surface	JIS K6768	mN/m	52	52	52	52	52	52	
O2TR @23°C x 90%RH	Representative value	JIS K7126-2	cc/m ² /day	0.7	0.7	0.5	0.7	0.7	0.4	0.7	
WVTR @40°C x 90%RH	Representative value	JIS K7129-2	g/m ² /day	0.7	0.7	0.5	0.7	0.7	0.4	0.7	