

Typical properties of Metalion VMPET type 4102

1. Feature

Metalion VMPET type 4102 is an Al metallized polyester film with the higher barrier properties against gas and water vapor and the higher bonding/ adhesion between a metallized layer and a base PET film than those of a standard VMPET film.

In case for uses where the water resistance is required, make careful tests before use to determine the suitability and applicability, since the Al metallized layer may be deteriorated by the water making disappearance of the layer, decrease of the laminate strength, ect.

2. Typical properties

ltem		Unit	VMPET 4102 12 micron	Test Method
Thickness		Micron	11.80	JIS Z1702
Grammage		g/m²	16.52	densxthickness
Friction Coefficient	Sta. / Dyn.	_	0.53/0.43	ASTM D1894
Elongation	MD/TD	%	125/140	JIS K7127
Tensile Strength	MD/TD	Мра	235/213	JIS K7127
Young's Modulus	MD/TD	Мра	3500/3750	JIS K7113
Glossiness	AL/Film side	%	830/635	JIS Z8741
Optical density		-	2.15	MACBETH
Wetting Tension		Dyne/cm	52	JIS K6768
WVTR		g/m²/day	0.88	JIS K7129B
Oxygen Permeability		cc/m²/day	1.00	JIS K7126B
Laminate Strength		g/15mm	275	BAR COAT

REMARK: WVTR = Water vapor transmission rate, MD = Machine Direction, TD = Transverse Direction TREATED SIDE: *Inside*

The above values are typical ones for the reference but not for guarantee. We accept no responsibility for results obtained by the applicant of this information or suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes.