

ECOSYAR VE106 is the film made by applying ceramic (silica/alumina) deposition based on polyester film and adding superior barrier properties while keeping the heat resistance of PET.

FUTURE

- (1) Superior in moisture-proof properties and gas barrier properties
- (2) Colorless and transparent
- (3) The decrease of the barrier properties by the film elongation are small during the secondary process etc.

USE

Due to the superior quality, it is possible to use it for many things from dry foods, boiled foods, and microwave foods to non-foods. It can be a substitute for aluminum foil, aluminum deposition, and PVDC coated products.

Single physical property of the ECOSYAR VE106

Item		VE106	Unit	Reference
Thickness		12	μm	
Vapor transmissivity		2	g/m ² ,d	
Oxygen transmissivity		20(2)	ml/m ² ,d,MPa(cc/m ² ,d)	
Total light transmittance		90	%	Same as PET
Haze		2.6	%	Same as PET
Color(b)		2		Same as PET
Tensile breaking strength	Length/Width	220/230	Mpa	Same as PET
Tensile breaking elongation	Length/Width	100/95	%	Same as PET
Impact strength		0.4	J	Same as PET
Heat shrinkage rate	Length/Width	1.4/0.2	%	Same as PET

Barrier properties of laminated products

	Oxygen transmissivity	Vapor transmissivity	
Unprocessed (Blank)	10(1.0)	1.0	
Boiling process	12(1.2)	1.4	95 degrees C, 30mins
White solid printing part	13(1.3)	1.2	

Lamination strength

	Lamination strength	Sealing strength	Unit
Unprocessed (Blank)	6.5	55	N/15mm
White solid printing part	2.6	48	N/15mm

Adhesive agent: Toyo Morton TM569/CAT10L, Application amount 3g/m², 40 Celsius degrees*2 days aging
 Lamination structure: VE106/CCP(L1153 60μm)

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