

ECOSYAR VN106 is the type where protective coating is applied to the ECOSYAR VN100. It is made by applying ceramic (silica/alumina) deposition based on harden film N1100 and adding superior barrier properties while keeping the toughness of ONY.

## FUTURE

- (1) Superior in moisture-proof properties and gas barrier properties under high humidity
- (2) Colorless and transparent
- (3) The barrier property decrease of the film is small during the secondary process

## USE

You can use it for oxygen absorber enclosed foods, small packaging of seasonings, heavy load bag, BIB, lids etc. It can be a substitute for the PVDC coating, ONY (KNY), and other barrier packaging.

Please utilize for boiling and retort use by sealant structure/VN106/PET.

## Single physical property of the ECOSYAR VN106

Item	VN106	KNY	Unit	Reference
Thickness	15	18	μm	
Haze	2	4	%	Same as ONY
Color(b)	2	3		
Tensile breaking strength	210/275	220/250	Mpa	Same as ONY
Tensile breaking elongation	100/70	100/70	%	Same as ONY
Impact strength	1.2	1	J	Same as ONY
Bending pinhole properties	3	5	5000times at 23°C	Same as ONY

MD/TD = Length/Width \*All the numerical values are shown by representative value

## Barrier properties of the laminated products

	Oxygen transmissivity ml/m <sup>2</sup> ,d,MPa(cc/m <sup>2</sup> ,d)		Vapor transmissivity g/m <sup>2</sup> ,d		
	VN106	KNY	VN106	KNY	
Unprocessed (Blank)	20	60	3	5	
Gelbo test	40	70	5	5	23°C,50times
White solid printing	23	80	3	5	

## Lamination strength

	VN106	KNY
Unprocessed (Blank)	6.5	3.4
White solid printing	2.5	2.5

The numerical values are shown by normal separation/water soaking separation

\*Dry lamination conditions

Adhesive agent: TOYO MOTON TM590/CAT56, Application amount 3.0g/m<sup>2</sup>, 40 Celsius degrees\*2 days aging

Lamination structure : VN106/LLDPE (L4102 40μm)

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