

ECOSYAR VN400 is the film made by applying ceramic (silica/alumina) deposition based on the biaxial stretched nylon film and adding superior barrier properties while keeping the toughness of ONY such as pinhole resistance.

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 used as a substitute for the PVDC coating, ONY (KNY), and other barrier packaging.

Single physical property of the ECOSYAR VN400

Item	VN400	KNY	Unit
Thickness	15	18	μm
Haze	2	4	%
Color(b)	2	3	
Tensile breaking strength(MD/TD)	210/270	220/250	Mpa
Tensile breaking elongation(MD/TD)	100/85	100/70	%
Impact strength	1.2	1	J
Bending pinhole properties	1	5	5000times at 23°C

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

Barrier properties of the laminated products

		VN400	
Oxygen transmissivity	Ordinary state	15	ml/m ² ,d,Mpa
	White solid printing	15	
Vapor transmissivity		2	g/m ² ,d

Water soaking: 1 day Vapor transmissivity:23°C×65%RH

		VN400	
Sealing strength	Length	63	N/15mm
	Width	63	
Lamination strength	Ordinary state	5	N/15mm
	Water soaking	1.8	

*Dry lamination conditions

Adhesive agent: TOYO MOTON TM590/CAT56, Application amount 3.0g/m², 40 Celsius degrees*2 days aging

Lamination structure : VN400 / LLDPE (L6102 40μm)

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