

# Transparent Barrier Film



## **IB-PET-PUB**

#### What's IB-PET-PUB?

**IB-PET-PUB** is PET base transparent barrier film with high gas barrier property, utilizing PVD AlOx deposition technology and a unique surface treatment developed by DNP.

Maintains taste

Environmentally friendly

Pouch can be see-through.

Remarks) PVD: Physical Vapor Deposition



## **Basic Physical Data**

Item	Unit	Measurement	Direction/Side	Values	Note
Thickness	μm	Dial gauge method	-	12	Typical Value
Tensile Strength	MPa	ASTM D882	MD	≧162	Typical Value
			TD	≧140	Typical Value
Tensile Elongation	%	ASTM D882	MD	≧70	Typical Value
			TD	≧70	Typical Value
Wettability	dyne/cm	ASTM D2578	Coated side	≧45	Spec
			PET side	40	Typical Value
Haze	%	ASTM D1003	-	1.5-5.0	Typical Value
Light TR	%	-	-	85-91	Typical Value

Remarks) The above typical values are not warranted except for spec which is DNP standard spec.

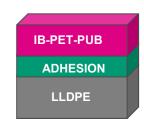
### **Barrier Properties - MOCON method**

Base film	OTR cc/100inch².day.atm (cc/m².day.atm)	WVTR g/100inch².day.atm (g/m².day)	
IB-PET-PUB	0.013 (0.2)	0.026 (0.4)	
AIOx PET from competitor A	0.077 (1.2)	0.116 (1.8)	

Layer structure : IB-PET-PUB12/DL/PE60

OTR : 23°C/90%RH(MOCON method)
WVTR : 40°C/90%RH(MOCON method)

Remarks: The above values are measured but not warranted



URL: http://www.dnpamerica.com/feature\_functional\_films/