



## TRANSPARENT GAS BARRIER FILM

### “FINE BARRIER K”

#### OUTLINE

*This film boasts its superior transparency, lightweight, and excellent barrier performance against oxygen and water vapor. It could be the better solution for the back sheet of photovoltaic products.*

#### ADVANTAGE

1. Superior transparency
2. Excellent barrier performance against oxygen and water vapor
3. Non-conducting quality
4. Ecologically Friendly (disuse of chlorine)
5. Approved by Japanese leading solar cell module manufacturers

#### APPRICATION

Solar Array Panel / Solar Cell Module etc



#### COMPOSITION

WHITE PET FILM	Standard (38u / 50u)
DRY LAMINATE ADHESIVE	
SILICA EVAPORATION	Standard (12u)
PET FILM	

☆Standard thicknesses of FINE BARRIER are 62u+5u(for Adhesive) and 50u+5u(for Adhesive). However, by changing the thickness of White PET, we can customize the film.

## CHARACTERISTIC

ITEM	UNIT	MEASURING METHOD	VALUE	
			WHITE PET 38um	WHITE PET 50um
OXYGEN GAS TRANSMISSION	cc/m <sup>2</sup> .24h	JIS K7126B 23□, 75%	0.4	0.4
VAPOR TRANSMISSION	g/m <sup>2</sup> .24h	JIS K7129A 40□, 90%	0.2	0.2
LAMINATE STRENGTH	g/25mm	T-shaped Peel (vertical)	450	400
		(horizontal)	400	370
WETTING EXPONENT	dyne/cm	JIS (WHITE PET)	over 54	over 54
		K6768 (PET)	46	46
SURFACE RESISTANCE	ohm	JIS K6911 (WHITE PET)	over 1x10 <sup>13</sup>	over 1x10 <sup>13</sup>
		20degree, 60% (PET)	over 1x10 <sup>13</sup>	over 1x10 <sup>13</sup>
HEAT SHRINKAGE RATE	%	JISC2318 (MD)	0.09	0.10
		150degree, 1hour (TD)	0.81	0.99

☆ Vapor Transmission is less than 1.0g/m<sup>2</sup> even after 1000hour-wet-heat-endurance test.

☆ Data above is not the standard spec but the measured value under given conditions.

### ☆CONTACT:

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