

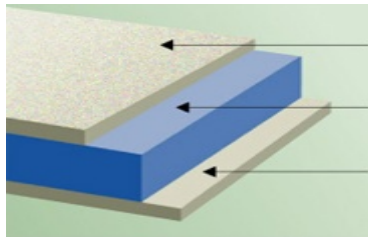
# TECHNICAL DATA SHEET

Confidential

**KIMOTO**

## *LIGHT-UP* 100 PBU

### 1. Structure



Diffusion Coating  
& Anti Static

PET

Diffusion  
Coating

### 2. Recommended applications

- ◆ For use of single diffusion film,
- ◆ Sufficient diffusibility. Also usable on lamp right-under LCD Backlight.

### 3. Properties

#### (1) Mechanical Properties

		Unit	Result	Test Method
Total Thickness		μ m	125 μ m	JIS K7130
Total Light Transmittance	Front Back	%	66.0%	JIS K7105
	Back Front			
HAZE	Front Back	%	89.5%	
	Back Front			
Thermal coefficient		cm/cm/	2.5 X 10 <sup>-5</sup>	JIS K 7197
Thermal stability	MD	%	-0.30	JIS C2318 (100 30min.)
	TD		-0.06	
Electrical Surface Resistivity	Front	/	10 <sup>9</sup>	JIS K6911
	Back		10 <sup>9</sup>	

#### (2) Stabilities

	TLT	HAZE	Test Method
Before Test	66.0%	89.5%	JIS K7105
High Temperature & Humidity (60 , 90%Rh, 500h)	65.4%	89.4%	
High Temperature (80 , 500h)	65.8%	89.4%	
Low Temperature (-20 , 500h)	66.0%	89.5%	
Heat Cycle (-20 ~ 25 ~ 70 ~ 25 , 30min./ea × 100cycle)	65.7%	89.3%	
UV Resistance (Fade Meter , 200h)	65.6%	89.4%	

The test data represented in this document is for reference only and should be regarded as a guideline for use.

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