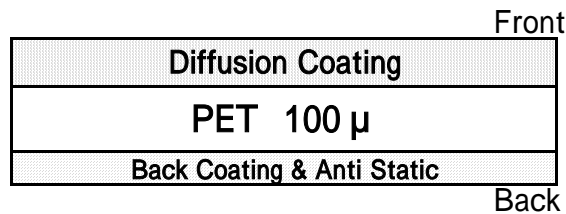


# KIMOTO LIGHT DIFFUSION FILM

## LIGHT-UP 100GM2

Application: 2-3 Diffusers, or 1-2 Diffusers with 1 prism sheet for color LCD back light  
 (High brightness without prism sheets, good for Monitor PC, TV,  
 Excellent light condensing, high brightness possible with 2-3 100GM2 sheets)

### Structures



### Thickness & Optical Properties:

Total Thickness ( ± 10 μ )		133 μ (Base Film 100 μ )		JIS K7130
Optical Data ( ± 5%)		Front	Back	JIS K6714
	Total Light Transmittance	99.0%	75.5%	
	HAZE	89.0%	87.0%	

### Stabilities

	TLT	HAZE	Test Method
Before Test	99.0%	89.0%	JIS K6714 Front Back
High Temperature & Humidity (60 , 90%Rh , 500h)	98.8%	88.9%	
High Temperature (80 , 500h)	98.9%	88.8%	
Low Temperature ( -20 , 500h)	99.1%	89.1%	
Heat Cycles ( -20 ~ 25 ~ 70 ~ 25 , 30min./ea × 100cycle)	98.8%	88.9%	
UV Resistance ( Fade Meter , 200h)	98.8%	88.8%	

### Mechanical Properties

		Unit	Result	Test Method
Surface Hardness	Front	H	2H	JIS K5600
	Back		H	
Thermal Coefficient		cm/cm/	$2.6 \times 10^{-5}$	ASTM D696
Thermal Stability	MD	%	-0.12	JIS C2318 (100 30min)
	TD		-0.02	
Tensile Strength	MD	N/mm <sup>2</sup>	196	JIS C2318
	TD		206	
Elongation	MD	%	120	
	TD		100	
Electrical Surface Resistivity	Front	/		JIS K6911
	Back		$10^{10}$	

Typical sample test data only. Not guaranteed.