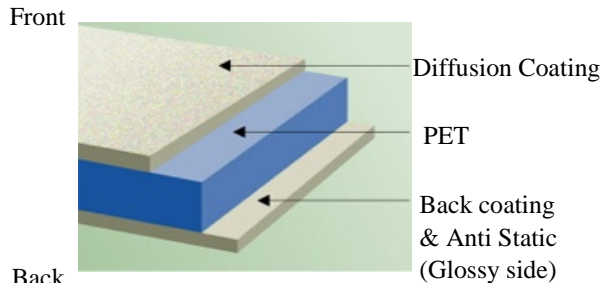
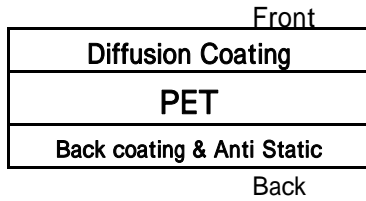


# KIMOTO LIGHT DIFFUSION FILM

## LIGHT-UP 100GM7

Application: 2-3 Diffusers, or 1 Diffuser with 1 prism sheet for color LCD back light.

Structures



Thickness & Optical Properties:

Total Thickness		129 μm		JIS K7130
Optical Data		Front	Back	JIS K7105
	Total Light Transmittance	99.0%	75.0%	
	HAZE	91.0%	89.0%	

Stabilities

	TLT	HAZE	Test Method
Before Test	99.0%	91.0%	JIS K7105 入光方向 Front Back
High Temperature & Humidity (60, 90%Rh, 500h)	98.7%	90.8%	
High Temperature (80, 500h)	98.8%	90.9%	
Low Temperature (-20, 500h)	99.0%	91.1%	
Heat Cycle (-20 ~ 25 ~ 70 ~ 25, 30min./ea × 100cycle)	98.8%	90.9%	
UV Resistance (Fade Meter, 200h)	99.0%	91.2%	

Mechanical Properties

		Unit	Result	Test Method
Surface Hardness	Front	H	2H	JIS K5600
	Back		H	
Thermal coefficient		cm/cm/	$2.5 \times 10^{-5}$	ASTM D696
Thermal stability	MD	%	-0.22	JIS C2318 (100 30分)
	TD		-0.09	
Tensile Strength	MD	N/mm <sup>2</sup>	220	JIS C2318
	TD		235	
Elongation	MD	%	180	
	TD		150	
Electrical Surface Resistivity	Front	/	$10^{10}$	JIS K6911
	Back			

Typical sample test data only. Not guaranteed.