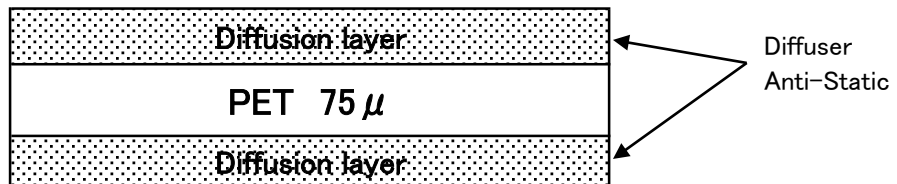


KIMOTO Light Diffusion Film for LED Display

CHEMICAL MAT 75PBA

- ◎Application: one diffusion film, Black-and-white display orientation
- ◎Feature; Transparency and moderate high diffusivity
- ◎Structures



◎Thickness & Optical Properties:

Total Thickness (±10 μ)		100 μ (Base Film 75 μ)		JIS K7130
Optical Data (±5%)		Front → Back	Back → Front	JIS K6714
	Total Light Transmittance	87.0%	87.0%	
	HAZE	89.5%	89.5%	

◎ Stabilities

		TLT	HAZE	
Before Test		87.0%	89.5%	JIS K6714 Front→Back
High Temperature & Humidity (60°C, 90%Rh, 500h)		86.5%	89.6%	
Thermal Stability	Heat (80°C, 500h)	87.0%	89.5%	
	Cold (-20°C, 500h)	86.9%	89.3%	
Heat Cycle (-20~25~70~25°C, 30min./ea × 100cycle)		87.0%	89.4%	
Light Resistance (Fade Meter, 200h)		86.9%	89.3%	

◎ Mechanical Properties

		Unit	Result	Test Method
Surface Hardness	Front	H	2H	JIS K5400
	Back		2H	
Heat Expansion		cm/cm/°C	2.5 X 10 ⁻⁵	ASTM D696
Heat Shrinkage	MD	%	-0.35	
	TD		-0.09	

Tensile Strength	MD	kg/mm ²	21.5	JIS C2318
	TD		21.0	
Elongation	MD	%	150	
	TD		130	
Electrical Surface Resistivity	Front	Ω/\square	10^9	JIS K6911
	Back		10^9	

Typical sample test data only. Not guaranteed.

