



# Yongtek Co., LTD

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[www.yongtek.com](http://www.yongtek.com)

## Product Specification

- Product name: Optical diffuser plate for LED/CCFL light source
- Product properties:
  1. Higher light transmittance than normal plate
  2. Excellent diffusion effect and haze performance
  3. Evenly diffuse the light source LED/ CCFL
  4. Good dimension stability

- Optical specification

No.	Test Item	Test Method	Measuring Equipment	PA-65S2
1	Thickness	JIS K6718-2	Micrometer	1.5±0.1mm
2	Light transmittance	JIS K7361-1	Haze meter (NDH-2000)	63±3%
3	Haze	JIS-K7136		92±3%
4	Warpage	Follow customer's diagram		≤1mm
5	Surface patern	Detector or visual inspection		Two sided Mat
6	Appear.	Spot	Detector or visual inspection	D > 0.5 mm, none
		Scratch		D > 2 mm, none



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## PS Properties

Properties	Unit	Standard	PS
Mechanical Properties			
Izod impact Strength	kgf*cm/cm	ASTM D256	2
Flexural Strength	kgf/cm <sup>2</sup>	ASTM D790	946.4
Tensile Strength	kgf/cm <sup>2</sup>	JIS K 7113	485
Tensile Elongation	%	JIS K 7113	3
Thermal Properties			
Heat Distortion Temp.	°C	ASTM D648	99.1
Other Properties			
Density	g/ cm <sup>3</sup>	ISO 1183	1.06
Water Absorption	%	JIS K 7209	0.021
Flammability	-	UL 94	HB