



# Yongtek Co., LTD

Tel: +886-3-316-9611/ Fax: +886-3-316-9612/ Email: [sales@yongtek.com](mailto:sales@yongtek.com)  
5F, No.188, Sec. 1, Daxing W. Rd., Taoyuan City, Taoyuan County 330, Taiwan  
[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
  5. Material: Polystyrene (PS)

- Optical specification

No.	Test Item		Test Method	Measuring Equipment	PA-00B
1	Thickness		JIS K6718-2	Micrometer	1.8±0.1mm
2	Light transmittance		JIS K7361-1	Haze meter (NDH-2000)	95±3%
3	Haze		JIS-K7136		87±3%
4	Warpage		Follow customer's diagram		≤1mm
5	Surface pattern		Detector or visual inspection		One sided Pyramid One sided Polished
6	Appear.	Spot	Detector or visual inspection		D > 0.5 mm, none
		Scratch			D > 2 mm, none



# Yongtek Co., LTD

Tel: +886-3-316-9611/ Fax: +886-3-316-9612/ Email: [sales@yongtek.com](mailto:sales@yongtek.com)

5F, No.188, Sec. 1, Daxing W. Rd., Taoyuan City, Taoyuan County 330, Taiwan

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

## 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