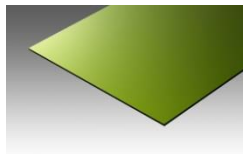


# Technical Data Sheet



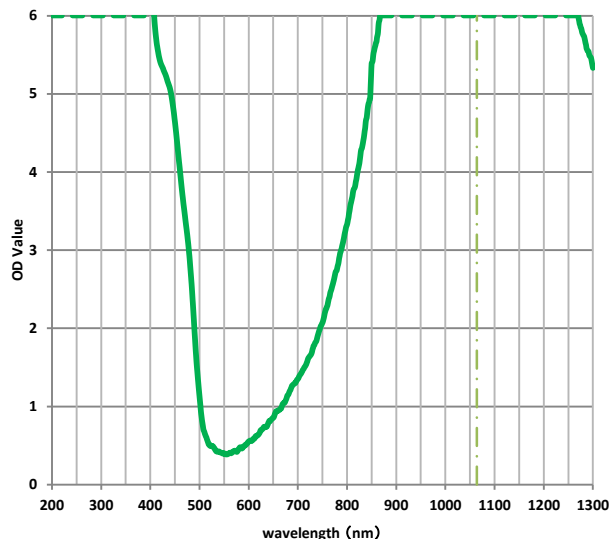
## HTSLA CP401 C-PVC Laser Safety Window

### Features

- High laser shooting resistance and high transparency.
- Thickness 6mm (tolerance zone; 5.4mm – 6.6mm)
- Complying with EN12254.
- Made by C-PVC.
- Oxygen index is 53 by a combustion test of JIS K7201-2 method. (IDT ISO 4589-2)

### Protection

900 - 950nm DIR AB5 + M AB5Y  
 >950 - 1150nm DIR AB6 + M AB6Y  
 >1150 - 1200nm DIR AB5 + M AB5Y



MEASURING APPARATUS: Spectrometer on UH4150AD by Hitachi High-Technologies Corporation

\*The above data are a series of test results with 6mm thick specimen and given here without guarantee.

### Physical properties

Item	Unit	Value	Test Method
Specific Gravity	-	1.46	JIS K 7112 (MOD ISO1183)
Surface Hardness (Rockwell)	M scale	83	JIS K 7202
	R scale	123	
Tensile Stress at Yield	MPa	74	JIS K 7161-2-1B/50 (IDT ISO527-2)
Nominal Tensile Strain at Break	%	12	
Modulus of Elasticity in Tension	MPa	3300	JIS K 7161-2-1B/1 (IDT ISO527-2)
Charpy Impact Strength(Notched)	KJ/m <sup>2</sup>	1.6	JIS K 7111-1epA (MOD ISO179)
Flexural Stress	MPa	99	JIS K 7171 (MOD ISO178)
Flexural Modulus	MPa	3300	
Temperature of Deflection under Load	°C(1.80MPa)	80	JIS K 7191
Vicat Softening Temperature	°C(methodB/50N)	88	JIS K 7206 (MOD ISO306)
Dimensional Change on Heating (145°C/55min)	%(longitudinal)	-5	JIS K 7133 (IDT ISO11501)
	%(latitudinal)	1	
Surface Resistivity	10 <sup>X</sup> Ω/□	>15	JIS K 6911
Volume Resistivity	10 <sup>X</sup> Ω · m	>13	
Light transmittance	%	31	JIS K 7161-1

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