

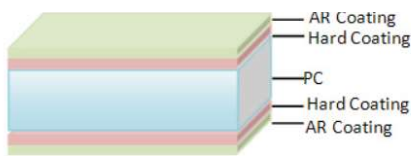


DIAMOND  
COATINGS



## Sunlight Readable Polycarbonate Datasheet

Addressing reflectivity and visibility issues in displays is crucial for outdoor and high-brightness indoor environments. The use of double-sided anti-reflective (AR) coatings can greatly enhance display performance by minimizing glare and improving image clarity, even in challenging lighting conditions. Some of the key advantages are an AR coating, enhanced outdoor performance and durability.



### Feature

1. High Transparence & Anti Reflection
2. Optical Grade PC with Vapor deposited coating
3. Coating close to Nature Color
4. 440~640nm Reflection Under 0.5 %
5. 300~700nm reflection Under 2%
6. Transparence above 98% within whole view area
7. Anti Scratch, abrasion resistance to grade F.
8. Against high temperature up to 120-degree C.

### Dimension

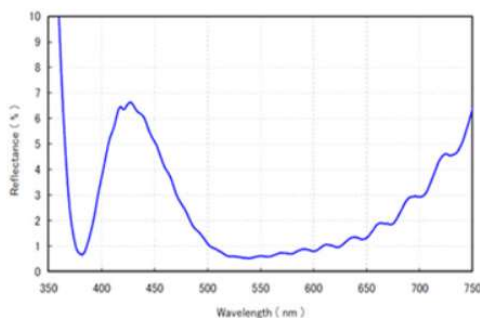
#### Size (mm)

275 x360, 310x380, 420x530, 420x630, 1,000x600

#### Thickness (mm)

0.5, 0.65, 0.8, 1.0, 1.2,1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 8.0...etc.

### Anti-Reflection Curve (PC, AR)



### Characteristics

	Method	Result
OPTICAL	Transparence	JISK7105 98%
	Reflection	JISK7105 0.5%
	Surface Hardness	Pencil Hardness, per1kg F
		F
MECHANICAL	Yellowness Index	ASTM D 1925 Grade 2.0
	Adhesion	Cross cut test 100/100
	Impact Strength	ASTM D 256A 80kgf/cm
	Tensile Strength	ASTM D 638 670kgf/cm <sup>2</sup>
ENVIRONMENT	Humidity Resistance	60°C, 95% Humidity Up to 1,000 hrs
	Heat Deflection Temp.	ASTM D 648 130°C
	Brittle Temp.	ASTM D 746 -100°C

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