

## SUNLIGHT READABLE PMMA (ACRYLIC)

**BHT-K0H2B2xx, xx= thickness choices**

### Sunlight Readable PMMA (Acrylic)

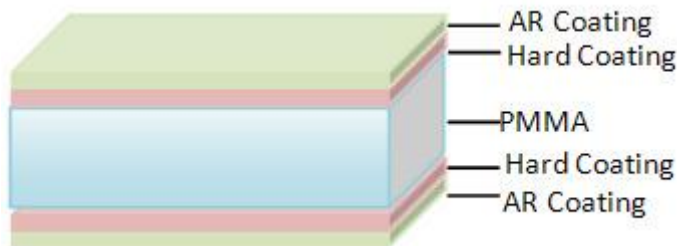
Description

**Our company has been specializing in manufacturing Sunlight Readable PMMA (Acrylic) and Cover Lens for many years.**

#### Function

Displays against strong sunlight reflection from outdoor, or solving the display reflective problem from the brightness light indoor is a mainly topic for all the industrial and professional displays. With double sides AR coated, air gap between the front cover and the panel won't be a concern any longer.

#### Product Structure



#### Feature

1. High transparence & **Anti Reflection**.
2. Optical grade PMMA with vapor deposited coating.
3. Dry coating achieves to Neutral color.
4. 440~640nm reflection under 0.5%.
5. 300~700nm reflection under 2%.
6. Transparence reaches to 98% within whole view area.
7. Anti Scratch, abrasion resistance to pencil hardness 5H.

**Characteristics**

|             |                        | <b>Method</b>              | <b>Result</b>    |
|-------------|------------------------|----------------------------|------------------|
| OPTICAL     | Transparence           | JISK7105                   | 98%              |
|             | Reflection             | JISK7105                   | 0.5% at 550nm    |
| MECHANICAL  | Hardness               | Pencil Hardness            | 6H               |
|             | Abrasion Resistance    | Steelwool,1.5kgf, 50 times | Scratch line few |
|             | Adhesion (Initial)     | Cross cut test             | 100/100          |
|             | Impact Strength        | DIN 53453                  | 4kJ/m2           |
| ENVIRONMENT | Humidity Resistance    | 60°C, 95% Humidity         | Up to 1,000 hrs  |
|             | Heat Resistance        | 80°C                       | Up to 1,000 hrs  |
|             | Heat Impact Resistance | - 30°C & 80°C              | Up to 500 times  |

**Dimension**

Size (mm)

275x360, 310x380, 385x500, 420x530, 630x430, 600x1000

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-Reflective Spectrum (PMMA, AR+AFP)**

