



DIAMOND
COATINGS



Optical Grade Polycarbonate Datasheet

Function

Our Thin Optical Grade Polycarbonate panel protectors are designed for a wide range of outdoor and indoor display devices, ensuring maximum safety and durability. The flat material surface allows for customizable design options, making it suitable for various coating and silk-screening processes to meet specific branding needs.

Product Structure



Feature

1. Optical clear PC.
2. Fine transperance spec. in 91% above.
3. Low cost effective.

Characteristics

| | | | |
|-------------|-----------------------|-------------|--------------|
| OPTICAL | Transperance | JISK7105 | 92% |
| | Reflection | JISK7105 | ≤0.2% |
| | Haze | ASTM D 1003 | ≤1% |
| MECHANICAL | Refractive Index | ASTM D 542A | 1.59 |
| | Tensile Strength | ASTM D 638 | 60-70N/mm2 |
| | Impact Strength | ASTM D 256A | 90kgf. Cm/cm |
| | Heat Deflection Temp. | ASTM D 648 | 130°C |
| ENVIRONMENT | Brittle Temp. | ASTM D 746 | -100°C |
| | Self Flammability | ASTM D 1925 | 580°C |

Dimension

Size (mm)

400x550, 1120x1320, 1070x1650, 1000x1720, 1000x2000

Thickness (mm)

0.1, 0.2, 0.3, 0.4, 0.5, 0.65, 0.8, 1.0, 1.2, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0

DIAMOND COATINGS LTD.

Unit 3&4 Sterling Park, Pedmore Road,
Brierley Hill,
West Midlands, DY5 1TB
Tel: +44 (0) 121 550 9430
Email: enquiries@diamondcoatings.co.uk
Web: www.diamondcoatings.co.uk

DIAMOND COATINGS INC.

1428 N Horne St Suite 130,
Gilbert, Arizona,
85233
Tel: +1 (480) 999 3456
Email: sales@diamondcoatings.com
Web: www.diamondcoatings.com