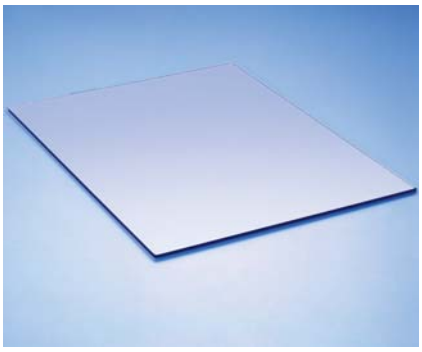
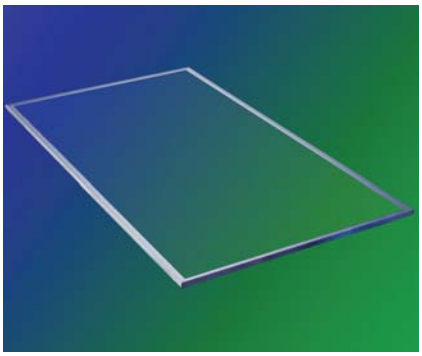
High Efficiency Anti-Reflection Coatings for Display Applications





Key Features

- Glare and reflection reduced by as much as 95%
- Significant contrast enhancement to support product differentiation
- Coating is unaffected by temperature or humidity
- Conductive coating layer options to meet EMI shielding requirements
- Flatness and thickness options available
- Large sizes available
- Superior durability for long product life and cleanability
- Excellent surface quality for high fabrication yields
- Protective tape on first surface
  – Tape color and tack strength options available
- High volume capability
- Inventories and fabrication capabilities in USA, Europe and Asia, for fast delivery
- Worldwide distribution delivers the same high quality product, with short lead times
- Competitive pricing combined with high quality for real value

Applications

- CRTs
- AR Panels for Analytical Instrumentation Displays
- Thin-Film LCD Heater Panels
- LCD/OLED Flat Panels
- Control Room AR Panels

HEA® High Efficiency Anti-Reflection Coatings Enhance the Viewing Experience

JDSU is a leading manufacturer of high efficiency anti-reflection coatings for display applications. Leveraging over 50 years of thin-film coating expertise to provide display enhancement products in volume, on time, and at competitive prices, gives our customers a distinct advantage.

HEA® (high-efficiency anti-reflection) coatings improve usability of information display systems by reducing glare while maintaining crisp, sharp images.

With growing use of both desktop and mobile displays worldwide, consumers are demanding products that offer clear, crisp images with unmatched viewability in diverse lighting conditions.

Our durable, multilayer HEA coatings form the building blocks for better performing displays by offering clear, crisp images, bright colors, unexcelled viewability, and glare reduction.

With global distribution and fabrication partners in the U.S., Asia and Europe, and a selection of standard products in high volume production, we offer our customers maximum flexibility in design and manufacturing.

Stock Sheet Dimensions

Millimeters	Inches
812.8 x 1270	32 x 50
609.6 x 736.6 (note[1])	24 x 29 (note[1])
406.4 x 635	16 x 25
355.6 x 355.6	14 x 14

1. 609.6 mm x 736.6 mm (24" x 29") is only available in 1.6 mm thickness.

Environmental Specifications

- 24-hour Humidity Test
- 20-rub Abrasion Resistance
- Coating Adhesion Tape Test
- Salt Solubility Test

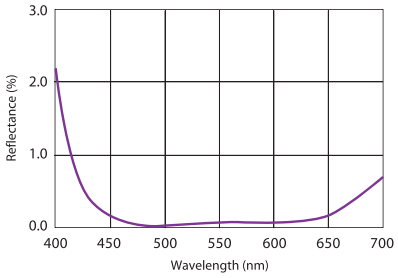
Product Specification

- 6102009

Thickness and Flatness Specifications

Nominal Thickness (mm)	Thickness Range (mm)	Thickness Range (inches)
0.55	0.5 - 0.6	0.022 - 0.024
0.70	0.65 - 0.75	0.028 - 0.030
1.00	0.95 - 1.05	0.037 - 0.041
1.10	1.05 - 1.15	0.041 - 0.045
1.25	1.20 - 1.30	0.047 - 0.051
1.60	1.50 - 1.70	0.059 - 0.067
1.90	1.80 - 2.00	0.071 - 0.079
2.30	2.16 - 2.57	0.085 - 0.101
3.00	2.92 - 3.10	0.115 - 0.122
4.00	3.78 - 3.99	0.149 - 0.157
5.00	4.80 - 5.00	0.189 - 0.197
6.00	5.79 - 6.20	0.228 - 0.244

Typical Spectral Performance



HEA®/CHEA™ on Glass

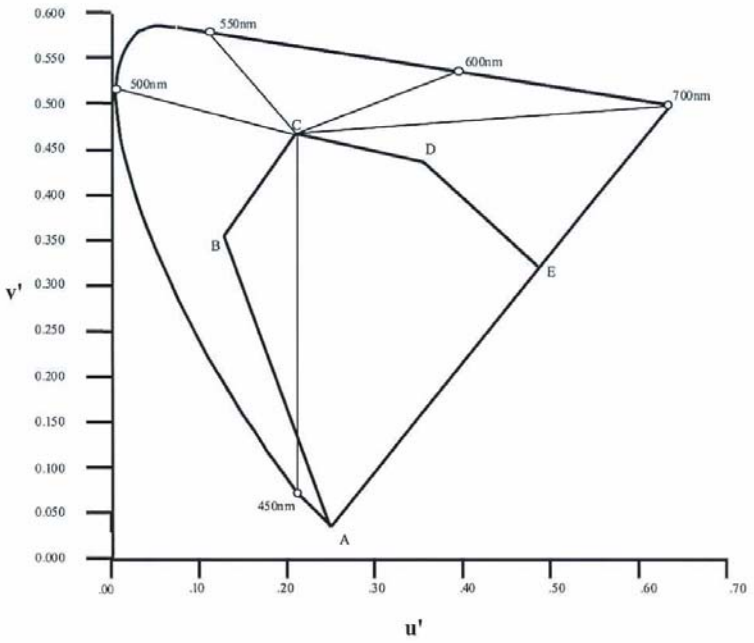
Brightness: Measured at a 10° angle of incidence, ≤ 0.2%.

Color: Measured at a 10° angle of incidence.

Point	A	B	C	D	E
u'	.258	.125	.210	.353	.466
v'	.020	.344	.471	.441	.308

Electrical Performance:
Resistivity: ≤ 1000 Ω/sq (Conductive HEA or CHEA, optional)

HEA Color Box with u' and v' Coordinates



Color is calculated using an equal energy light source