DURABLE VIEWING SOLUTIONS

TSP DURAVUE® 2000 Fact Sheet
High Resolution Anti-Glare Hardcoats

Description

TSP DURAVUE® 2000 Anti-Glare hardcoatings combine outstanding abrasion resistance with special glare reduction properties. These coatings optimize display readability by reducing the coherence of reflected images while maintaining exceptional character resolution.

DURAVUE® 2000 Anti-glare hardcoats can be applied to a wide variety of plastic sheet, windows, lenses, filters and panels. These coatings are also available in a range of gloss levels on clear or tinted acrylic or polycarbonate sheet.

Applications

Specify ***DURAVUE® 2000*** for applications which require chemical or abrasion resistance, optical clarity, and reliable visibility in high-glare conditions.

Display filters are available for the following types of opto electronic displays:

Liquid crystal (LCD)
Vacuum fluorescent
Electro luminescent
Light emitting diode (LED)
Cathode ray tube
Plasma Display Panels

Available on acrylic and polycarbonate sheet material in a wide range of colors, thicknesses and sizes (up to 24" x 48", with some exceptions), TSP's DURAVUE 2000 Anti-Glare Hardcoat is a perfect finishing touch to providing a long-lasting plastic part viewable in all kinds of lighting environments.

Typical Performance

Abrasion Resistance, Chemical Resistance and Adhesion is all comparable to TSP Abrasion Resistant Coatings for Optical Applications (see ***DURAVUE® 1000*** Fact sheet).

Glare Reduction

- **Gloss:**
  The degree of matte finish is defined as gloss units measured using a 60° gloss meter. The lower the gloss units, the more matte the surface finish.

- **Resolution:**
  This criteria is determined by the minimum number of line pairs per millimeter an observer is able to resolve when viewing a target through the specimen at a specified distance. Typical results using our coatings are as follows:

Gloss (units)	Line Pairs/mm*
24	8.0
34	9.0
44	10.0
55	11.0

*Viewing of a Resolving Power Test Target, through specimen placed 10mm above the target, observed at a distance of 200 mm above specimen

In as much as TSP does not have control over the use to which other parties may put material, it can not guarantee that the same results as those described above will be obtained. Each user should make their own tests for determining the materials suitability for their particular application. Breakage warranty is the responsibility of the material manufacturer.

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