

3M Glossy Low Reflection Protection Film

Data Sheet

April, 2011

Description 3M™ Glossy Low Reflection Protection Film uses 3M's coating technology to provide durable protection, reflection reduction for a clear image, with a residue-free, self-wetting adhesive for application on electronic displays.

Applications 3M Glossy Low Reflection Protection Film is typically used to provide display protection and viewing enhancement for electronic displays, especially in environments where bright light conditions typically disrupt display readability.

The low reflection front surface enhances the viewing experience by reducing ambient light reflection. By providing a durable hardcoat barrier between the display surface and the user or environment, 3M Glossy Low Reflection Protection Film helps protect against scratches and damage to the display. The residue-free adhesive technology gives an easy-to-apply and easy-to-remove application experience for the user.

Protection Effectiveness 3M Glossy Low Reflection Protection Film uses 3M's coating technology to provide a durable hardcoat barrier between the display surface and the user or environment. Providing this hardcoat on an easy-to-apply, easy-to-remove film enables the renewal of a display surface by a simple replacement of the top film.

Typical Properties Technical information provided consists of typical product data and should not be used for specification purposes. Unless otherwise noted, all tests are performed at room temperature.

| Property (Test Method) | Typical Value US units (metric) |
|---------------------------------------|---|
| % Transmission | ≥ 93% |
| Haze | ≤ 1.6% |
| Clarity | ≥ 99% |
| Reflection | ≤ 1.95% |
| Nominal thickness | 5.1 mil (0.130 mm) |
| Steel Wool Abrasion | Light scratching, 50 g/cm ² , 10 rubs, #0000 steel wool |
| Pencil Hardness | ≥ 3H* |
| Water contact angle (hydrophobic) | ≥ 95 degrees |
| Hexadecane contact angle (oleophobic) | ≥ 55 degrees |
| Heat resistance | 85°C for 500 hours |
| Cold resistance | -40°C for 500 hours |
| Humidity resistance | 60°C/90% RH for 500 hours |
| Thermal shock resistance | 85°C for 1 hour to -40°C for 1 hour, 100 cycles |
| Chemical resistance | Bleach, MEK, IPA, Acetone, Window cleaner, motor oil, cola, coffee, water insoluble marker, water |

*ASTM D3363, 200g weight

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Product Features

- Durable hardcoat for long lasting display protection and the display stays looking good longer
- Non-conductive, near color-neutral low reflection surface treatment
- Crystal clear glossy coating to maintain image clarity
- Low tack, easy to apply and remove adhesive
- Scotchgard™ easy-to-clean hydrophobic and oleophobic surface

Shelf Life & Storage (prior to application)

Material should be stored in its original packaging, laying in a horizontal orientation, away from direct sunlight. Heavy objects should not be placed on top of it to avoid damaging the product. Ambient temperature and humidity should be controlled to 10-30°C at 30-60% relative humidity.

Availability

For availability, please contact our customer service group at 1-800-553-9215 or visit our website at 3mprivacyfilter.com

Important Notice

The following is made in lieu of all warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose.

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