

3M Glossy Protection Film

Preliminary Technical Data Sheet

April, 2015

Description

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

Applications

3M Glossy Protection Film is typically used to provide display protection for electronic displays.

3M Glossy Protection Film provides a durable hardcoat barrier between the display surface and the user or environment to 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 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	Typical Value	Test Method
Transmission	92%	ASTM D1003-11 ^{ET}
Haze	2%	ASTM D1003-11 ^{ET}
Clarity	99%	ASTM D1003-11 ^{ET}
Thickness	0.155 mm	ASTM D3652/D3652M-01
Steel Wool Abrasion	Light scratching, 250 g/cm ² , 20 rubs, #0000 steel wool	3M TM-095
Pencil Hardness	4H (500g)	ASTM D3363-05
Chemical resistance	Bleach, MEK, IPA, Acetone, Window Cleaner, Motor Oil, Cola, Coffee, water insoluble marker, water	3M TM-118
Water contact angle (hydrophobic)	95 degrees	ASTM D7734-08
Hexadecane contact angle (oleophobic)	55 degrees	ASTM D7734-08

Environmental Conditioning	Visual Evaluation
Heat (85°C for 500 hours) Cold (-40°C for 500 hours) Humidity (60°C/90% RH for 500 hours) Thermal shock (85°C to -40°C for 1 hour each, 100 cycles)	No Significant change when observed with the unaided eye

3M Glossy Protection Film

Product Features

- Durable hardcoat for display protection
- Crystal clear glossy coating to maintain a display 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 www.3m.com/displayenhancement

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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