

Diamond Guard™ Anti-Glare Film

Preliminary Datasheet

NEW



UniPixel's Anti-Glare Film



Uncoated Glass

KEY FEATURES

- Matte finish surface
- Fingerprint Resistant
- Screen Protection
- Low Friction Surface
- Easy Installation
- Low/No Maintenance

UniPixel's anti-glare film minimizes the reflections from the display surface when using handheld electronic devices. This film has a unique coating that prevents most of the incident light from reflecting off the surface, while allowing almost all of the light from the display to pass through the film seemingly unaffected.

Anti-Glare Film Layers

Anti-Glare Coating

PET Film

Adhesive

Release Film

Anti-Glare Film Technical Specifications

Category	Specification	Test Method	Value
Dimensions	Anti-Glare Layer		0.005mm - 0.020mm
	Carrier Film		0.100mm (0.004in) PET
	Adhesive Layer		0.025mm (0.001in) self-wetting, non-residue
	Release Liner		0.050mm (0.002in) PET
Adhesive	Peel Strength	ASTM D3330	5 – 25 g/in
	Transmittance	ASTM D1003	> 90%
Optical Performance	Haze	ASTM D1003	< 8%
	Gloss	ASTM D523	20° = 40 60° = 79 85° = 62 (air)
			20° = 7 60° = 42 85° = 61 (adhesive)
	Brightness Loss	Imaging Photometer	< 1.6% optical loss when mounted on display
Scratch Resistance	Hardness	5 cycles of #000 steel wool	No visible scratches

Installation Notes

Particles left on the screen before application will result in visible bubbles underneath the film. Using a microfiber cloth, clean the screen surface well before application.

Cleaning & Maintenance

While Diamond Guard™ film requires very little maintenance after application, it is recommended to wipe the film with a damp microfiber cloth when needed. Glass cleaning products are also safe to use.