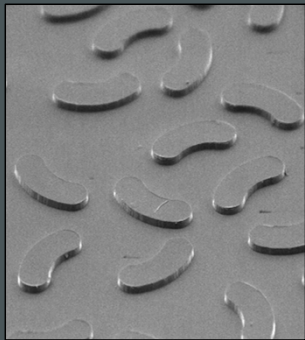


Diamond Guard™ Fingerprint Resistant Film (FPR)

Preliminary Datasheet

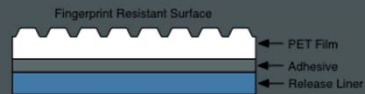
KEY FEATURES

- Optically Clear
- Fingerprint Resistant
- Screen Protection
- Low Friction Surface
- Easy Installation
- Low/No Maintenance



Magnified Image of FPR Microstructures

FPR Film Layers



Installation Notes

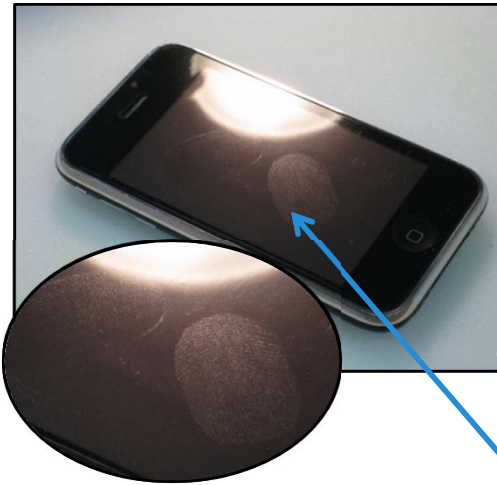
Particles left on the screen before application will result in visible bubbles underneath the film. Using a microfiber cloth, clean the screen surface well before application.

Cleaning & Maintenance

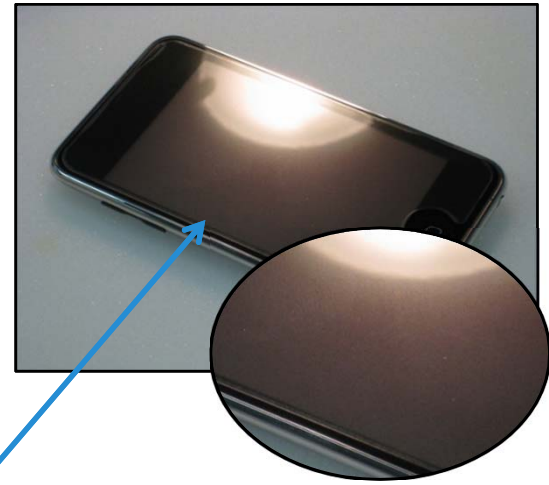
While FPR film requires very little maintenance after application, it is recommended to wipe the film with a damp microfiber cloth when needed. Glass cleaning products are also safe to use.



Competitor Film



UniPixel's FPR Film



Same fingerprints applied to each surface
(in same locations)

UniPixel's patent pending Fingerprint Resistant (FPR) film directly addresses a common problem with touch screen devices: the visibility of fingerprints on a touch screen surface and the resulting impairment of the user experience. Using a pattern of microstructures that allow the oils from the skin to dissipate and remain invisible to the user, FPR actively reduces fingerprints on touch screen displays. The result is a Clearly Superior™ touch screen viewing experience.

FPR Technical Specifications

Category	Specification	Test Method	Value (With Adhesive)
Dimensions	FPR 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
Optical Performance	Transmittance	ASTM D1003	> 92%
	Haze	ASTM D1003	< 6%
	Gloss	ASTM D523	20° = 150 60° = 133 85° = 19
	Brightness Loss	Imaging Photometer, with/without film attached	< 4% optical loss when mounted on display
Scratch Resistance	Hardness	5 cycles of #000 steel wool	No visible scratches