

Technical Data Sheet (FO-250H-06)

Product Name

Hard Coating Film

Product Description

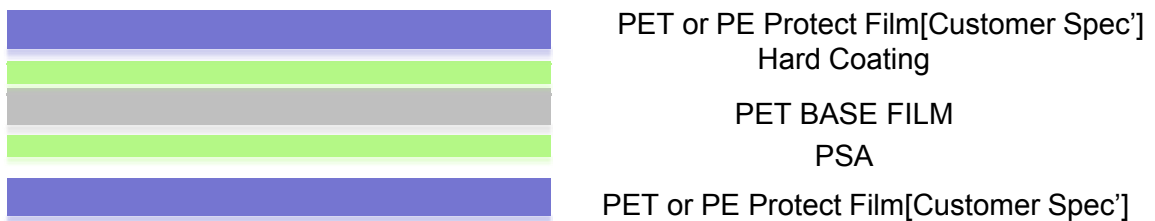
Definition	A protection film for surface damage , scratch. It gives long lasting transparency of display with/or without touch screen.
Use	The tacki side attached to the surface of display right after removing protecting film, top cover film is taken off to reveal coating side.

Product Applications

**Mobile Phones, Car Navigation, Personal Digital Device,
I-CON Film for Touch Screen**

Structure

Single Layer



PET or PE Protect Film[Customer Spec']
Hard Coating
PET BASE FILM
PSA
PET or PE Protect Film[Customer Spec']

Product Dimensions

Packaging Specification

- (1) Film Width : max. 1,040mm
- (2) Winding Length : 600m / Roll

Property	Specification	Test Method
GENERAL Nominal Thickness	290 μ m \pm 3%	Micrometer
OPTICAL Transmittance Haze	\geq 90.0% \leq 0.5%	JIS K7105 JIS K7105 Measuring Apparatus: Murakami HM-150
MECHANICAL Tensile Strength Elongation at Break Young's Modulus	 MD 17~20kgf/mm ² TD 22~24kgf/mm ² MD 150~200% TD 110~150% MD 340~360kgf/mm ² TD 410~420kgf/mm ²	 ASTM-D882A
PHYSICAL Pencil hardness Adhesiveness	 Hard Coating Layer[Top] \geq 5H 100/100	 JIS K5600 Cross-Hatch Test
THERMAL Shrinkage Thermal Resistance	 MD < 1.5% TD < 1.0% No Cosmetic Change	 PET Supplier's Specification 80 $^{\circ}$ C, 2Hr
CHEMICAL Water Resistance Dilute Acids Organic Solvents	 No Cosmetic Change No Cosmetic Change No Cosmetic Change	 65 $^{\circ}$ C, 72Hr 5% HCl 24Hr EtOH / MEK 6Hr

Note: The data are obtained on the basis of our practical measurement of bulk film. The customer should carry out his own tests to confirm the practical application respectively.