

## PRODUCT DESCRIPTION - DATA SHEET

PolyLine™ AG Hardcoat Anti-Glare PC Film has excellent anti glare surface with anti scratches function. It becomes an increasing popularity using for display panel requiring non glare appearance. It's widely found in display panel of GPS navigation, POS touch panel, membrane switches for washing machine, oven, microwave, petrol station panel, etc. Available haze value from 3-80%

Properties	Standard	Unit	Typical Value
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### Physical Properties

Color/Density	Transparent Clear	%	±5
Refraction Rate	JIS- D7105	%	1.49
Light Transmittion	ASTM-D 1003-61	% (min)	88.5
Haze	ASTM-D 1003-61	AG40 (HP12)	~ 40-45%
Haze	ASTM-D 1003-61	AG25 (HP40)	~ 23-25%
Haze	ASTM-D 1003-61	AG5 (HP60)	~ 5-7%

### Mechanical Properties

Tensile Strength at Break	ASTM-D 638/882	kg/cm <sup>2</sup>	480
Tensile Elongation at Break	ASTM-D 638/882	%	65.00
Izoo Test	ASTM-D 256-54T	kg.cm/cm	85
Pencil Hardness		JIS-D5400	HB

### Thermal Properties

Std. Temperature Resistance	ASTM-D 1525-76	°C	120
Heat Distortion Temperature	ASTM-D 1637	°C	140
Flammability (if using UL resin)	UL94		V2
Melting Temperature	DSC Scanning	°C	255

The information & value are intended for reference only. It does not guarantee the same data result, data safety and application suitability as described, nor is not considered a warranty or quality specification. Customer should carry its own test to determine your own particular use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

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