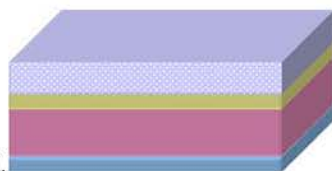


## InshineT01H Product Specification

### ◆ Product Feature:

1. High weather resistance;
2. High heat resistance: RTI $\geq$ 120 $^{\circ}$ C;
3. Thermal stability;
4. High UV barrier: Fluorine film surface under 300KWH,  
 $\Delta b \leq 3$ .



PVP (25  $\mu$ m)  
Adhesive (8  $\mu$ m)  
PET (275  $\mu$ m)  
YSPCO1 (5  $\mu$ m)

**InshineT01H structure**

### ◆ Product Characteristic:

Item		Unit	Quoted Standard	Value
Film Thickness	standard thickness	$\mu$ m	GB/T 13542.2-2009	313
	allowable tolerance			$\pm 5\%$
Tensile Strength (MD/TD)		MPa	GB/T 13542.2-2009	MD $\geq$ 12; TD $\geq$ 1200
Elongation At Break (MD/TD)		%	GB/T 13542.2-2009	MD $\geq$ 120; TD $\geq$ 100
Heat shrinkage rate (150 $^{\circ}$ C $\times$ 30min)		%	GB/T 13542.2-2009	MD $\leq$ 1.0; TD $\leq$ 1.0
Coating adhesion		Grade	GB/T 9286-1998	0
Peel strength from EVA		N/cm	GB/T 2790-1995	$\geq$ 50
Interlaminar peel strength		N/cm	GB/T 2790-1995	$\geq$ 4.0
Peel strength from silica gel		N/cm	GB/T 31034-2014	Cohesive failure $\geq$ 50
Breakdown voltage		KV	GB/T 13542.2-2009	$\geq$ 18
Partial discharge voltage		VDC	IEC 60664-1-2007	$\geq$ 1500
Water vapor permeability 38 $^{\circ}$ C $\times$ 90%RH		g/(m $^2$ ·day)	GB/T 26253-2010	$\leq$ 2.0
Water resistance test (98 $^{\circ}$ C $\times$ 24H)	Visual inspection	—	GB/T 17748-2008	No delamination, no blistering, no wrinkling
	Interlaminar peel strength	N/cm		$\geq$ 4.0
Constant humidity test (85 $^{\circ}$ C $\times$ 85%RH $\times$ 1000H)	Visual inspection	—	IEC 61215-2-2016	No delamination, no blistering, no wrinkling
	Xanthochromia	—		$\Delta b^* \leq 2.0$
	Peel strength from EVA	N/cm		$\geq$ 40
	Interlaminar peel strength	N/cm		$\geq$ 4.0
Ultraviolet pretreatment (60KWH/m $^2$ )	Visual inspection	—	IEC 61215-2-2016	No delamination, no blistering, no wrinkling
	Xanthochromia	—		$\Delta b^* \leq 3.0$
Cold-hot cycle test. (TC200) & Wet frozen test (HF10)	Visual inspection	—	IEC 61215-2-2016	No delamination, no blistering, no wrinkling
	Xanthochromia	—		$\Delta b^* \leq 2.0$
	Peel strength from EVA	N/cm		$\geq$ 40
	Interlaminar peel strength	N/cm		$\geq$ 4.0
	Breakdown voltage	KV		$\geq$ 16
Acid/ Alkali resistance	Visual inspection	—	GB/T 17748-2008	No delamination, no blistering, no wrinkling
	Total chromatic aberration	—		$\Delta E^* \leq 1.0$
Salt fog resistance	Visual inspection	—	GB/T 2423.17-2008	No delamination, no blistering, no wrinkling
	Coating adhesion	Grade		0