

STANDARD SPECIFICATION TABLE

Description : SHC-125UH-31

Item	Unit	Standard Value						
Effective part thickness	μm	300 ± 30						
Standard size	mm	620 ⁺²⁰ ₋₀ × 1000 ⁺²⁰ ₋₀						
Adhesive layer thickness	A	25 ± 5						
	B	30 ± 10						
Force required to detach release film	N/25mm	Less than 0.50						
Force required to detach protective film	N/25mm	Less than 2.00						
Adhesive force to detach from glass plate	N/25mm	More than 3.00						
Optical Characteristics								
Original polarizer								
Single average transmittance (Ys)	%	40.0 ± 2.0						
Polarizing efficiency (Py)	%	More than 99.5						
Hue	L* (L)	69.3 ± 2.0 (63.0 ± 2.0)						
	a* (a)	-1.1 ± 2.0 (-1.0 ± 2.0)						
	b* (b)	4.1 ± 2.0 (3.5 ± 2.0)						
UV ray transmittance at 380nm	%	Less than 1.0						
Product	Single average transmittance (Yt)	8.0 ± 3.0						
	Single average reflectance (Yr)	24.5 ± 3.0						
Appearance defects	n/sheet	MAX=18						
Curling	mm	0 ± 30						
Durability(Guaranteed life)								
Light Resistance (C-arc, 63°C × 240h)	<ul style="list-style-type: none"> • Deterioration of Transmittance(ΔYt) and Reflectance(ΔYr) shall be ± 5points from initial value. • No visible bubble and delamination shall be generated. 							
Heat Resistance (100°C × 1000h)								
Humidity Resistance(80°C × 90%RH × 500h) (60°C × 90%RH × 1000h)								
Cold Resistance (-40°C × 1000h)								
Actual Mount test	100°C × 48h	No visible bubble and delamination shall be generated.						
	80°C × 90% × 48h							
Remarks :								
Structure:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">Release film</td></tr> <tr><td style="text-align: center;">Adhesive layer: A</td></tr> <tr><td style="text-align: center;">Polarizing film</td></tr> <tr><td style="text-align: center;">Adhesive layer: B</td></tr> <tr><td style="text-align: center;">Transflective film</td></tr> <tr><td style="text-align: center;">Protective film</td></tr> </table>		Release film	Adhesive layer: A	Polarizing film	Adhesive layer: B	Transflective film	Protective film
Release film								
Adhesive layer: A								
Polarizing film								
Adhesive layer: B								
Transflective film								
Protective film								

POLATECHNO CO.,LTD.

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