

TITLE : Blue-Light Cut Paper Like Film Technical Data.

■ Blue-Light Cut Paper Like Film Structure

The substrate is a PET Film, the standard of film thickness is 200 μ m.

Blue cut Film structure	Protect Film (80 μ m)
	Matte coating layer (75 μ m)
	Basic hard layer (100 μ m)
	BL Layer (10 μ m)
	Silicone P.S.A. (15 μ m)
	Release Film (80 μ m)

■ Film Property Paper like blue light cut film,paper feeling,eyes protection

■ Optical Property

Property	Test Method	SPEC
Transmittance(@400~700nm)(%)	UV Spectrophotometer / ASTM D 1003	Ave. 80.1 $\pm$ 5
UV CUT(@200~380nm)(%)	UV Spectrophotometer / ASTM D 1003	Ave. 85.7 $\pm$ 5
VL CUT(@380~500nm)(%)	UV Spectrophotometer / ASTM D 1003	Ave. 24.2 $\pm$ 5
Bad eyesight range CUT(@300~400nm)(%)	UV Spectrophotometer / ASTM D 1003	Ave. 90.8 $\pm$ 5
Transmittance (380~780nm)(%)	3M Transmission Meter	Ave. 84 $\pm$ 5

■ Physical Property

Property	Test Method	SPEC
Pencil Hardness	1kgf (ASTM D3363 / JIS K5600)	3-4H
Surface Abrasion	Steel wool(#0000) at 1kg/cm ² (ASTM D1044)	No Damage
Adhesion	10 x 10 sections (ASTM D3359 / JIS D0202)	100/100

Note : Values assigned represent the results of tests conducted in HICO laboratories and are not standard values.

■ Chemical resistance

Property	Test Method	SPEC
Ethanol	The chemical was deposited on the surface of the coating and allowed to stand for 30 minutes at room temperature. Then the chemical was wiped off and the coating sample evaluated.	No remarkable change
	IPA	No remarkable change

Note 1 : The change of the optical and physical characteristic between before and after test was measured.

Blue-Light Film Transmittance

