

“Devilab Shadow PRO” Certificate Of Analysis

Code	SHADOW_PRO			
Basic parameters	Test Method	Specification	unit	Test result
Color	Visual Inspection	Colorless and Transparent	/	Colorless and Transparent
Top PET Film Thickness	GB/T 6672-2001	50±2	μm	52
Liner PET Film Thickness	GB/T 6672-2001	85±3	μm	87
Products Total Thickness	GB/T 6672-2001	185±5%	μm	194
Glossy	Gloss Meter @60°	≥90	/	94.6
Haze	GB/T 2410-2008	≤0.8	/	0.69
Visible transmittance	GB/7258-2017-11.5.7	≥80	/	91.6
UV Rejection	LS182 Test Meter	>90	/	95.5
QUV ageing resistant	ASTM G154-16 circulation 1	ΔE*ab<2	/	0.24
Hydrophobic	Mark Pen / Water	Hydrophobic	/	Hydrophobic
Surface permeability resistance	MG-2110 Mark pen,10safter alcohol wipe	slight/no trace	/	slight traces
Thermal self-healing	Brass brush 10 times, 50-70°C hot water 1min	100% self- healing	/	100% self-healing
Acrylic layer peeling force/20min	GB/T 2792	>600	gf/inch	1270
Acrylic layer peeling force/24h	GB/T 2792	>1000	gf/inch	1602
Tear strength	GB/T 529	≥40	KN/m	82.5
Elongation at break of coating	GB/T 1040.1	>80	%	116
Tensile Strength	GB/T 1040.1	>15	Mpa	23.7
Elongation at break of PPF	GB/T 1040.1	>280	%	352.8
100% modulus	GB/T 1040.1	>6	Mpa	8.4

Remark :

1. Total thickness means: top coating+TPU film+adhesive

2. QUV The aging resistance test duration is 1000h。