

BODY GARD DIAMOND

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	1855±5%	µm	192
Glossy	Gloss Meter @60°	≥90	/	93.8
Haze	GB/T 2410-2008	≤0.8	/	0.59
Visible transmittance	GB/7258-2017-11.5.7	≥80	/	91.5
UV Rejection	LS182 Test Meter	>90	/	95.3
QUV ageing resistant	ASTM G154-16 circulation 1	ΔE*ab < 2	/	0.31
Hydrophobic	Mark Pen / Water	Hydrophobic	/	Hydrophobic
Surface permeability resistance	MG-2110 Mark pen, 10s after 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	1453
Acrylic layer peeling force/24h	GB/T 2792	>1000	gf/inch	1821
Tear strength	GB/T 529	≥40	KN/m	62.1
Elongation at break of coating	GB/T 1040.1	>80	%	113
Tensile Strength	GB/T 1040.1	>15	Mpa	20.5
Elongation at break of PPF	GB/T 1040.1	>250	%	358.7
100% modulus	GB/T 1040.1	>6	Mpa	6.8