

TECHNICAL DATA SHEET ELEVATING PERFORMANCE.					
Model : PCU-180 Date : 2026,04,25					
PROPERTY	ITEM	UNIT	Specification	Test Value	Test Method
Physical	Top Film Thickness	um	55±2	57	ASTMD374
	Products Total Thickness	um	210±10	216	ASTMD374
	Liner film thickness	um	75±3	77	ASTMD374
Optical	Gloss	—	/	100.0	Gloss meter @60°
	UV rejection	%	>91	96.2	Ls162 Test meter
Weather resistance	QUV ageing resistant	—	ΔE*ab<2	PASS	ASTM G154-16 Circulation 1
Top coating	Hydrophilic/hydrophobic	—	hydrophobic	hydrophobic	water
	Surface permeability resistance	—	Slight/no trace	Slight trace	MG-2110 Mark pen,10safter alcohol wipe
	ordinary temperature self-healing	—	100%self- healing	100%	Brass brush 10 times.ordinary temperature 1second
Stripping force	Acrylic layer peeling force/20min	gf/inch	>600	2220	GB/T 2792
	Acrylic layer peeling force/24h	gf/inch	>1000	3315	GB/T 2792
Mechanical	Elongation at break of coating	%	>155	200	GB/T1040.1
	Tensile Strength	Mpa	>20	31.20	GB/T1040.1
	Elongation at break	%	≥300	430.00	GB/T1040.1
	100%modulus	Mpa	>6	7.06	GB/T1040.1
Remark: 1.Total thickness means:top coating+TPU film+adhesive 2.QUV the aging resistance test duration is 2000h					