

TECHNICAL DATA SHEET ELEVATING PERFORMANCE.					
Model : TPU -M75 Date : 2025,9,22					
PROPERTY	ITEM	UNIT	Specification	Test Value	Test Method
Physical	Top Film Thickness	um	50±2	52	ASTMD374
	Products Total Thickness	um	190±10	190	ASTMD374
	Liner film thickness	um	75±3	75	ASTMD374
Optical	Gloss	—	/	98.5	Gloss meter @60°
	UV rejection	%	>90	92.0	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
	Scratch Repairment	—	Heat repairable	100%	(0.1mm) Copper brush & drying gun
Stripping force	Acrylic layer peeling force/20min	gf/inch	>600	1740	GB/T 2792
	Acrylic layer peeling force/24h	gf/inch	>1000	2223	GB/T 2792
Mechanical	Elongation at break of coating	%	>70	135	GB/T1040.1
	Tensile Strength	Mpa	>15	20.33	GB/T1040.1
	Elongation at break	%	≥200	303.25	GB/T1040.1
	100%modulus	Mpa	>5	6.01	GB/T1040.1
Remark: 1.Total thickness means:top coating+TPU film+adhesive 2.QUV the aging resistance test duration is 2000h					