

TECHNICAL DATA SHEET ELEVATING PERFORMANCE.					
产品编号: TPU - BLACK 日期: 2024,03,26					
PROPERTY 特性	ITEM 项目	UNIT 单位	Specification 规格	Test Value 分析值	Test Method 测试方法
Physical 物理性质	Top Film Thickness 顶膜厚度	um	50±2	51	ASTMD374
	Products Total Thickness 成品厚度	um	188±10	185	ASTMD374
	Liner film thickness 双哑离型厚度	um	75±3	77	ASTMD374
Optical 光学性质	Gloss 光泽度	—	无	96.8	Gloss meter @60°
	UV rejection 紫外线阻隔率	%	>90	100.0	Ls162 Test meter
Weather resistance 耐候性质	QUV ageing resistant QUV耐老化	—	△E*ab<2	PASS	ASTM G154-16 Circulation 1
Top coating 涂层性质	Hydrophilic/hydrophobic 亲水/疏水	—	hydrophobic 疏水	hydrophobic 疏水	water
	Surface permeability resistance 表面抗渗透	—	Slight/no trace 轻微/无痕	Slight trace 轻微痕迹	MG-2110 Mark pen,10safter alcohol wipe
	ordinary temperature self-healing 常温修复	—	100%self- healing	100%	Brass brush 10 times.ordinary temperature 1second
Stripping force 剥离性质	Acrylic layer peeling force/20min 20分钟初粘力	gf/inch	>600	1723	GB/T 2792
	Acrylic layer peeling force/24h 24小时持粘力	gf/inch	>1000	2256	GB/T 2792
Mechanical 机械性质	Elongation at break of coating 涂层断裂伸长率	%	>70	145	GB/T1040.1
	Tensile Strength 抗拉强度	Mpa	>15	24.50	GB/T1040.1
	Elongation at break 断裂伸长率	%	≥200	316.86	GB/T1040.1
	100%modulus 100%定伸模量	Mpa	>5	5.98	GB/T1040.1
Remark: 1.Total thickness means:top coating+TPU film+adhesive 2.QUV the aging resistance test duration is 2000h					