

Technical Data Sheet for ProMedia Paint Protection Film (PPF)

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	165±5%	µm	167
Glossy	Gloss Meter @60°	≥90	/	94.2
Haze	GB/T 2410-2008	≤0.8	/	0.42
Visible transmittance	GB/7258-2017-11.5.7	≥80	/	91.0
UV Rejection	LS182 Test Meter	>90	/	97.6
QUV ageing resistant	ASTM G154-16 circulation 1	ΔE*ab<2	/	0.17
Hydrophobic	Marker Pen / Water	Hydrophobic	/	Hydrophobic
Surface permeability resistance	MG-2110 Marker 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	1584
Acrylic layer peeling force/24h	GB/T 2792	>1000	gf/inch	1838
Tear strength	GB/T 529	≥40	KN/m	57.5
Elongation at break of coating	GB/T 1040.1	>80	%	103
Tensile Strength	GB/T 1040.1	>15	Mpa	18.3
Elongation at break of PPF	GB/T 1040.1	>280	%	291.5
100% modulus	GB/T 1040.1	>6	Mpa	9.1

Remark :

1. Total thickness means: top coating+TPU film+adhesive
2. QUV The aging resistance test duration is 1000h

PLEASE NOTE: The information provided above serves as a mere guide. We highly recommend conducting a compatibility test of our ProMedia Paint Protection Film (PPF) before utilizing it for your project's final use. This will ensure optimal results and prevent any potential issues.