



HAMMERHEAD PRO

Clear PPF

TECHNICAL SPECIFICATIONS

TEST ITEM		TEST METHOD	UNIT	STANDARD VALUE	TEST VALUE
Film Thickness	Aggregate Thickness	GB/T 6672	μm	341 $\pm$ 10	346
	Thickness of Working Layer			216 $\pm$ 10	219
Width		GB/T 6673	mm	1522 $\pm$ 2	1524
Length		Meter Counter	m/roll	15	15
Elastic Modulus		ASTM D-882	Kgf/cm ²	E $\leq$ 200	101
Tensile Strength		GB/T 17657-2013	MPa	$\geq$ 20	20.3
Elongation at Break	Repair Layer	ASTM D-882	%	$\geq$ 80	96
	Finished Product			$\geq$ 280	346
Adhesion Performance	Initial Peel Adhesion	FINAT3	N/in	20 $\leq$ F $\leq$ 25	20.2
	Loop Tack			15 $\leq$ F $\leq$ 20	15.1
	Peel Adhesion			25 $\leq$ F $\leq$ 35	25.2
Puncture Resistance	Puncture Force	GB/T 10004	N	$\geq$ 35	53.3
	Puncture Strength		MPa	$\geq$ 5	10.8
Optical Performance	Visible Light Transmission	GB/T 2410	%	$\geq$ 85	88.5
	UV Rejection	GB/T 2680	%	$\geq$ 90	96.2
	Haze	ASTM D1003	%	$\leq$ 2	0.47
	Gloss	60° Gloss Tester	GU	$\geq$ 90	95.2
	Hydrophobic	Hydrophobic Test Machine	°	$\geq$ 90	98.7
Self-Healing Performance		Tested with 10 strokes of fine copper brush at a load of 200 g/cm ² ; surface self-healed when exposed to hot water (~70 °C) or hot air.	S	$\leq$ 5	Pass
Marker Resistance		Oil-based marker MG-2110, dried ink, wiped with alcohol	/	Residue Level 1 to 3	1
Chemical Resistance		Application of standard carburetor cleaning agent to the film surface for 1 minute.	/	No swelling	No swelling

*The above data is used as a reference for material selection, but does not constitute a guarantee.

*The company has the right to modify the relevant technical data without prior notice.

If you have any inquiry, feel free to contact us.

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