

# Certificate of Analysis



GlassApeel White  
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## 1. General properties

Property	Unit	Spec	Value	Test Method
Appearance	-	Semi-Matte	Pass	ASTM E284
Base Thickness	μm	120 ± 5	Pass	ASTM D645
Base Weight	g/m <sup>2</sup>	90 ± 5	Pass	ASTM D646
Total Thickness	μm	255 ± 10	254	ASTM D645
Total Weight	g/m <sup>2</sup>	240 ± 10	238	ASTM D646
Gloss	%	60° : 15.0 ≥ 85° : 30.0 ≥	60° : 85° :	ASTM D2457
Whiteness (Lab)	-	L : 90.0 ≤ a : 0.0 ± 2.0 b : -5.0 ± 2.0	L : a : b :	ANSI T (D50/2°/Abs/No)
Optical Density (CMYK)	-	C : 1.3 ± 0.2 M : 1.1 ± 0.2 Y : 0.8 ± 0.2 K : 1.9 ± 0.2	C : M : Y : K :	ANSI T JV33 / ES3 ink / 32 Pass Profile : GPVC [441] v3
Yellowness Index	-	30.0 ≥		ASTM D1925
Pin Hole	-	size : 1.0mm ≥ 3 ea ≥	Pass	Square Meter
Dust	-	size : 1.0mm ≥ 3 ea ≥	Pass	Square Meter

## 2. Adhesion properties

Property	Unit	Spec	Value	Test Method
Adhesion (90°, kgf/in)	-	10 ≥	Pass	ASTM D3759
Tensile Strength (kgf/mm <sup>2</sup> )	MD	5 ≤	Pass	ASTM D882 (Except Release PET)
	TD	20 ≤	Pass	
Elongation (%)	MD	170 ≥	Pass	ASTM D882 (Except Release PET)
	TD	50 ≥	Pass	

GlassApeel measures 0.008" Thick or 8 mills  
GlassApeel on backer measures 0.011" Thick or 11 mills

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