

Certificate of Analysis



GlassApeel Clear
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1. General properties

Property	Unit	Spec	Value	Test Method
Appearance	-	Clear	Pass	ASTM E284
Base Thickness	μm	100 ± 5	Pass	ASTM D645
Base Weight	g/m ²	140 ± 5	Pass	ASTM D646
Adhesive Thickness	μm	23		ASTM D645
Total Thickness	μm	240 ± 5		ASTM D645
Total Weight	g/m ²	295 ± 5		ASTM D646
Gloss	%	60° : Clear 85° : Clear	Pass	ASTM D2457
Whiteness (Lab)	-	L : Clear a : Clear b : Clear	Pass	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	-	Clear	Pass	ASTM D1925
Pin Hole	-	size : 1.0mm ≥ 3 ea ≥		Square Meter
Dust	-	size : 1.0mm ≥ 3 ea ≥		Square Meter

2. Adhesion properties

Property	Unit	Spec	Value	Test Method
Adhesion (90°, gf/in)	-	100 ≥	Pass	ASTM D3759
Tensile Strength (kgf/mm ²)	MD	15 ≤	Pass	ASTM D882 (Except Release PET)
	TD	15 ≤	Pass	
Elongation (%)	MD	240 ≥	Pass	ASTM D882 (Except Release PET)
	TD	180 ≥	Pass	

0.006" or 6 mil material
0.002" or 2 mil backer

0.008" or 8 mil total

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