

Certificate of Analysis



GlassApeel Frost
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Formerly Known as GlassADhere

1. General Properties

Property	Unit	Spec	Value	Test Method
Appearance	-	Semi-matt		ASTM E284
Base Thickness	μm	75 ± 5		ASTM D645
Base Weight	g/m ²	105 ± 5		ASTM D646
Total Thickness	μm	140 ± 10		ASTM D645
Total Weight	g/m ²	190 ± 10		ASTM D646
Gloss	%	60° : 5.0 ± 3.0 85° : 11.0 ± 3.0	60° : 85° :	ASTM D2457
Whiteness (Lab)	-	L : 85.0 ≤ a : 0.0 ± 2.0 b : -2.0 ± 2.0	L : a : b :	ANSI T (D50/2°/Abs/No)
Optical Density (CMYK)	-	C : 1.3 ± 0.1 M : 1.1 ± 0.1 Y : 0.8 ± 0.1 K : 1.7 ± 0.1	C : M : Y : K :	MIMAKI JV33-160
Yellowness Index	-	33.0 ± 3.0		ASTM D1925
Pin Hole	-	size : 1.0mm ≥ 3 ea ≥		Square Meter
Dust	-	size : 1.0mm ≥ 3 ea ≥		Square Meter

2. Adhesion and Strength properties

Property	Unit	Spec	Value	Test Method
Peel Strength (180°, gf/2.54cm)	-	5 ± 1		ASTM D903
Tensile Strength (kgf/mm ²)	MD	5 ≤		ASTM D882 (Except Release PET)
	TD	20 ≤		
Elongation (%)	MD	170 ≥		ASTM D882 (Except Release PET)
	TD	50 ≥		

GlassApeel measures 0.004" Thick or 4 mills
GlassApeel on backer measures 0.06" Thick or 6 mills

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