



Film Products

Product Data Sheet

5200 Series Print Media - Clear Adhesive/ Air Egress liner

September 2021

Product Description:	White Adhesive Backed Vinyl - Gloss or Matte Finish - Permanent or Removable Adhesive		
Face Material	Type	Calendared Polymeric PVC	
	Thickness	4.0 mil (100 μ) \pm 0.4 mil	
	Color	White	
	Finish	Gloss or Matte	
	Gloss Level (60°)	Gloss (60° Gardner) > 75 GU Matte (60° Gardner) < 10 GU	
	Tensile Strength (kg/10mm)	\geq 1.5 kg/10mm	
	Elongation	\geq 150% (MD / CD)	
	Shrinkage (80°C x 48 hrs.) unprinted	\leq 0.5 %	
	Opacity	> 75%	
Adhesive	Type	Clear Solvent-base Acrylic, permanent or removable	
		Permanent	Removable
	Coating Thickness	1.2 mil (30 μ) \pm 5%	1.2 mil (30 μ) \pm 5%
	180° Peel Adhesion (g/inch) - 20 min	> 1000g /inch (2.20 lbs./in)	> 600g /inch (1.32 lbs./in)
	180° Peel Adhesive (g/inch) - 24 hrs.	> 1200g /inch (2.65 lbs./in)	> 800g /inch (1.76 lbs./in)
	Release Force (90°)	20-60g/50mm	20-60 g/50mm
	Removing Adhesive	Permanent	Up to one year
	Holding power (test: JIS Z0237)	< 0.3mm	
pH-value	approx. 7.0 Neutral		
Release Liner	Type	Siliconized double side PE embossed Kraft - Air Egress	
	Color	White	
	Basic Weight	81# (120 gsm) \pm 5%	
Heat Resistance	+5°C to 80 °C (41° F to 176° F)		
Application Temperature	+15°C to 50 °C (59° F to 122° F)		
Printing Conditions	Designed for Solvent, Eco-Solvent, Latex based & UV inkjet printing on wide-format printing systems.		
Laminating Conditions	Printed vinyl should be left to dry for 48 hours prior to lamination or transportation		
Typical uses	Short to medium term outdoor signage on flat or slightly curved surfaces		
Shelf life	2 years when stored at 18° to 25°C (64° to 77° F) at 50-60% humidity in original package		
Durability	5 years for unprinted vinyl and up to 5 years after printing, with vertical exposure and proper application		

Printed PVC must be allowed to dry for 24-48 hours at 70° F prior to lamination to allow residual solvent to evaporate. Failure to do so may result in delamination, tunneling and shrinkage of the PVC and or adhesive failure. The amount of dry time required is a function of the amount of ink applied, the image printed, relative humidity, printing conditions, etc., all prints are not the same nor dry at the same rate. There may still be solvent in the ink that has not completely dried at the time of lamination. Although all PVC outgases, in some cases this process is accelerated by the presence of excess solvent in the ink and heat from high UV exposure.

These Durability estimates are based on accelerated aging tests and outdoor exposure, under conditions experienced in vertical exposure and in "normal" temperate climates. Exposure to severe humidity and ultraviolet light as in Southern States or desert regions will cause rapid deterioration. This also applies to polluted areas, high altitude, horizontal and/ or south-facing exposure where durability may be divided by 2. Because of these varying climate conditions there is no standard outdoor life durability; it is only a reference for choosing the proper product.

Important Notice

Gfp products are warranted to be free from defects in material and workmanship (see Gfp Product Warranty statement). Product information is based on research the company believes to be reliable; however, such information is given without guarantee and does not constitute a warranty. Purchasers should undertake their own evaluation of the product prior to use to independently determine the suitability of the product to their specific application and the purchaser shall assume all risks regarding such use.



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