

Technical Datasheet (PVCWAF2796)

APPLICATION:	This PVC WHITE LAYER has been specifically designed FOR MANUFACTURING CONTACTLESS and DUAL INTERFACE CARDS. Thanks to the high opacity of its structure this PVC makes difficult to “Show through” the card body. It also add stability to the card structure making it more resistand and durable.		
APPEARANCE:	WHITE, BOTH SIDES MATT.		
THICKNESS (μm)	60 - 600 μm		
THICKNESS TOLERANCE ON 100% OF READINGS	Between 60 - 150 μm	± 9 %	
	Between 160- 350 μm	± 5 %	
	Between 360- 600 μm	± 4 %	
PROPERTIES	TEST METHOD	RESPONSE VALUE	
VICAT SOFTENING POINT (5Kg Load in oil as stacked samples)	UNI EN ISO 306 VSTB50	78 ± 2 °C	
DENSITY	ISO 1183-1	1.38 ± 0.04 g/cm ³	
SURFACE TENSION	ISO 8296	Best Printing side ≥ 40 mN/m	
		Reverse side ≥ 36 mN/m	
SURFACE ROUGHNESS	ASIA Tech Internal Test	Ra (μm)	Between 0.7~1.8μm
		Rz (μm)	Between 4~12μm
GLOSSINESS DEGREE in %	ASIA Tech Internal Test	Thickness ≤ 250μm	≤ 45 %
		Thickness ≥ 260μm	≤ 50 %
TENSILE STRENGTH	UNI EN ISO 527-3/2/50	CD MPa ≥	40 N/mm ²
		MD Mpa ≥	42 N/mm ²
HEAT SHRINKAGE in % (140±2 °C for 10 Minutes)	ASIA Tech Internal Test	Thickness 60-150μm	MD≥ -25 CD≤ +9 %
	ASIA Tech Internal Test	Thickness 160-350μm	MD≥ -15 CD≤ +7 %
	ASIA Tech Internal Test	Thickness 360-600μm	MD≥ -8 CD≤ +4 %
TENSILE IMPACT STRENGTH	ISO 8256	≥ 500 HJ/m ²	

* **Shelf Life:** 2 years in the original packaging

** **Recommended Storage Conditions:** Between 15~30 °C and humidity between 40~60%.

NO Direct sunlight exposure.