

Technical Datasheet (PVCWDP794)

APPLICATION:	This PVC WHITE CORE SUITABLE FOR DIGITAL PRINTING, can be used as monolayer or multiple layer for the production of cards that need to be printed/personalized with Indigo or MGI machines. It has been especially designed in order to have an extremely smooth surface with a natural white color which makes a brilliant effect in combination with printing in digital.		
APPEARANCE:	WHITE, BOTH SIDES MATT.		
THICKNESS (μm)	120 - 330 μm		
THICKNESS TOLERANCE ON 100% OF READINGS	Between 120- 200 μm	$\pm 6 \%$	
	Between 210- 250 μm	$\pm 5 \%$	
	Between 260- 330 μm	$\pm 4 \%$	
PROPERTIES	TEST METHOD	RESPONSE VALUE	
VICAT SOFTENING POINT (5Kg Load in oil as stacked samples)	UNI EN ISO 306 VSTB50	$76 \pm 2 \text{ }^\circ\text{C}$	
DENSITY	ISO 1183-1	$1.38 \pm 0.04 \text{ g/cm}^3$	
SURFACE TENSION	ISO 8296	Best Printing side $\geq 36 \text{ mN/m}$	
		Reverse side $\geq 34 \text{ mN/m}$	
SURFACE ROUGHNESS	ASIA Tech Internal Test	Ra (μm)	Between 0.7~1.8 μm
		Rz (μm)	Between 4~12 μm
GLOSSINESS DEGREE in %	ASIA Tech Internal Test	Thickness $\leq 250\mu\text{m}$	$\leq 22 \%$
		Thickness $\geq 260\mu\text{m}$	$\leq 16 \%$
TENSILE STRENGTH	UNI EN ISO 527-3/2/50	CD MPa \geq	42 N/mm^2
		MD Mpa \geq	40 N/mm^2
HEAT SHRINKAGE in % (140\pm2 $^\circ\text{C}$ for 10 Minutes)	ASIA Tech Internal Test	Thickness 120-200 μm	MD \geq -18 CD \leq +9 %
	ASIA Tech Internal Test	Thickness 210-250 μm	MD \geq -15 CD \leq +7 %
	ASIA Tech Internal Test	Thickness 260-330 μm	MD \geq -8 CD \leq +5 %
TENSILE IMPACT STRENGTH	ISO 8256	$> 500 \text{ HJ/m}^2$	

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

** **Recommended Storage Conditions:** Between 15~30 $^\circ\text{C}$ and humidity between 40~60%.

NO Direct sunlight exposure.