

Technical Datasheet (PVCWAC793)

APPLICATION:	This PVC WHITE CORE can be used as monolayer or multiple layer for the production of ultra opaque cards. Especially indicated for the production of scratch off cards and in general all kind of ultra thin cards that need to opaque and resistant to UV Light.		
APPEARANCE:	WHITE, BOTH SIDES MATT.		
THICKNESS (μm)	60 - 250 μm		
THICKNESS TOLERANCE ON 100% OF READINGS	Between 150 - 250 μm	$\pm 5 \%$	
	Between 260- 450 μm	$\pm 4 \%$	
	Between 460- 760 μm	$\pm 3 \%$	
PROPERTIES	TEST METHOD	RESPONSE VALUE	
VICAT SOFTENING POINT (5Kg Load in oil as stacked samples)	UNI EN ISO 306 VSTB50	$72 \pm 2 \text{ }^\circ\text{C}$	
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 150-250 μm	MD \geq -15 CD \leq +7 %
	ASIA Tech Internal Test	Thickness 260-450 μm	MD \geq -10 CD \leq +4 %
	ASIA Tech Internal Test	Thickness 460-760 μm	MD \geq -6 CD \leq +3 %
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.