

Technical Datasheet (PVCTACE797)

APPLICATION:	This PVC TRANSPARENT CORE is suitable for the production of all kind of laminated or monolayer cards. It has been specifically designed to match good performances using both UV inks and Silkscreen inks. After the lamination process it is possible to appreciate the result of a transparent and clear film.		
APPEARANCE:	TRANSPARENT, BOTH SIDES MATT.		
THICKNESS (μm)	150 – 850 μm		
THICKNESS TOLERANCE ON 100% OF READINGS	Between 150 – 250 μm	$\pm 7 \%$	
	Between 260– 500 μm	$\pm 5 \%$	
	Between 510– 850 μm	$\pm 3 \%$	
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	$1.4 \pm 0.04 \text{ g/cm}^3$	
SURFACE TENSION	ISO 8296	Best Printing side $\geq 40 \text{ mN/m}$	
		Reverse side $\geq 38 \text{ mN/m}$	
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 $\leq 300\mu\text{m}$	$\leq 45 \%$
		Thickness $\geq 310\mu\text{m}$	$\leq 50 \%$
TENSILE STRENGTH	UNI EN ISO 527-3/2/50	CD MPa \geq	42 N/mm^2
		MD Mpa \geq	42 N/mm^2
HEAT SHRINKAGE in % (140\pm2 $^\circ\text{C}$ for 10 Minutes)	ASIA Tech Internal Test	Thickness 100-250 μm	MD \geq -15 CD \leq +5 %
	ASIA Tech Internal Test	Thickness 260-500 μm	MD \geq -10 CD \leq +3 %
	ASIA Tech Internal Test	Thickness 510-850 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.