

## Technical Datasheet (PVCTACE797)

<b>APPLICATION:</b>	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.		
<b>APPEARANCE:</b>	TRANSPARENT, BOTH SIDES MATT.		
<b>THICKNESS ( <math>\mu\text{m}</math> )</b>	150 – 850 $\mu\text{m}$		
<b>THICKNESS TOLERANCE ON 100% OF READINGS</b>	Between 150 – 250 $\mu\text{m}$	$\pm 7 \%$	
	Between 260– 500 $\mu\text{m}$	$\pm 5 \%$	
	Between 510– 850 $\mu\text{m}$	$\pm 3 \%$	
<b>PROPERTIES</b>	<b>TEST METHOD</b>	<b>RESPONSE VALUE</b>	
<b>VICAT SOFTENING POINT (5Kg Load in oil as stacked samples)</b>	UNI EN ISO 306 VSTB50	$76 \pm 2 \text{ }^\circ\text{C}$	
<b>DENSITY</b>	ISO 1183-1	$1.4 \pm 0.04 \text{ g/cm}^3$	
<b>SURFACE TENSION</b>	ISO 8296	Best Printing side $\geq 40 \text{ mN/m}$	
		Reverse side $\geq 38 \text{ mN/m}$	
<b>SURFACE ROUGHNESS</b>	ASIA Tech Internal Test	Ra ( $\mu\text{m}$ )	Between 0.7~1.8 $\mu\text{m}$
		Rz ( $\mu\text{m}$ )	Between 4~12 $\mu\text{m}$
<b>GLOSSINESS DEGREE in %</b>	ASIA Tech Internal Test	Thickness $\leq 300\mu\text{m}$	$\leq 45 \%$
		Thickness $\geq 310\mu\text{m}$	$\leq 50 \%$
<b>TENSILE STRENGTH</b>	UNI EN ISO 527-3/2/50	CD MPa $\geq$	$42 \text{ N/mm}^2$
		MD Mpa $\geq$	$42 \text{ N/mm}^2$
<b>HEAT SHRINKAGE in % (140<math>\pm</math>2 <math>^\circ\text{C}</math> for 10 Minutes)</b>	ASIA Tech Internal Test	Thickness 100-250 $\mu\text{m}$	MD $\geq$ -15   CD $\leq$ +5 %
	ASIA Tech Internal Test	Thickness 260-500 $\mu\text{m}$	MD $\geq$ -10   CD $\leq$ +3 %
	ASIA Tech Internal Test	Thickness 510-850 $\mu\text{m}$	MD $\geq$ -6   CD $\leq$ +3 %
<b>TENSILE IMPACT STRENGTH</b>	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.