

## Technical Datasheet (PVCWADE790)

<b>APPLICATION:</b>	This PVC WHITE CORE is the results of the selection and combination of high quality resins which make this material highly versatile and suitable for the production of all kind of cards. It gives the chance to the Card Manufacturers to keep on stock just one PVC Core for the production of a wide range of cards (Banking, ID, Loyalty, etc) achieving always an excellent quality of the finished product.		
<b>APPEARANCE:</b>	WHITE, BOTH SIDES MATT.		
<b>THICKNESS ( <math>\mu\text{m}</math> )</b>	100 - 850 $\mu\text{m}$		
<b>THICKNESS TOLERANCE ON 100% OF READINGS</b>	Between 100 - 250 $\mu\text{m}$	$\pm 8 \%$	
	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	$78 \pm 2 \text{ }^\circ\text{C}$	
<b>DENSITY</b>	ISO 1183-1	$1.4 \pm 0.04 \text{ g/cm}^3$	
<b>SURFACE TENSION</b>	ISO 8296	Best Printing side $\geq 39 \text{ mN/m}$	
		Reverse side $\geq 36 \text{ mN/m}$	
<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 $\leq 300\mu\text{m}$	$\leq 22 \%$
		Thickness $\geq 310\mu\text{m}$	$\leq 18 \%$
<b>TENSILE STRENGTH</b>	UNI EN ISO 527-3/2/50	CD MPa $\geq$	$46 \text{ N/mm}^2$
		MD Mpa $\geq$	$44 \text{ N/mm}^2$
<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 $\geq$ -18   CD $\leq$ +8 %
	ASIA Tech Internal Test	Thickness 260-500 $\mu\text{m}$	MD $\geq$ -7   CD $\leq$ +3 %
	ASIA Tech Internal Test	Thickness 510-850 $\mu\text{m}$	MD $\geq$ -5   CD $\leq$ +2 %
<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.