

Technical Datasheet (PVC ODP803)

APPLICATION:	This PVC TRANSPARENT COATED OVERLAY SUITABLE FOR LAMINATION WITH DIGITAL PRINTING PVC SHEETS is recommended to be used in conjunction with our ATSG-PVCWDP794 PVC Sheets, in order to achieve the best lamination performances with PVC Suitable for Digital Printing machines. A special treatment is also done on this material in order to reach a very clear and smooth effect after lamination and a strong resistance to scratches.		
APPEARANCE:	TRANSPARENT, BOTH SIDES MATT.		
THICKNESS (μm)	40 - 250 μm		
THICKNESS TOLERANCE ON 100% OF READINGS	Between 40 - 80 μm	± 10 %	
	Between 90- 150 μm	± 7 %	
	Between 160- 250 μm	± 4 %	
PROPERTIES	TEST METHOD	RESPONSE VALUE	
VICAT SOFTENING POINT (5Kg Load in oil as stacked samples)	UNI EN ISO 306 VSTB50	72 ± 2 °C	
DENSITY	ISO 1183-1	1.36 ± 0.04 g/cm ³	
SURFACE TENSION	ISO 8296	Best Printing side ≥ 40 mN/m	
		Reverse side ≥ 37 mN/m	
SURFACE ROUGHNESS	ASIA Tech Internal Test	Ra (μm)	Between 0.7~1.8μm
		Rz (μm)	Between 4~12μm
GLOSSINESS DEGREE in %	ASIA Tech Internal Test	Thickness ≤ 300μm	≤ 45 %
		Thickness ≥ 310μm	≤ 50 %
TENSILE STRENGTH	UNI EN ISO 527-3/2/50	CD MPa ≥	40 N/mm ²
		MD Mpa ≥	42 N/mm ²
HEAT SHRINKAGE in % (140±2 °C for 10 Minutes)	ASIA Tech Internal Test	Thickness 40-80μm	MD ≥ -25 CD ≤ +13%
	ASIA Tech Internal Test	Thickness 90-150μm	MD ≥ -20 CD ≤ +10%
	ASIA Tech Internal Test	Thickness 160-250μm	MD ≥ -6 CD ≤ +3 %
TENSILE IMPACT STRENGTH	ISO 8256	≥ 500 HJ/m ²	

* **Shelf Life:** 2 years in the original packaging ** **Recommended Storage Conditions:** Between 15~30 °C and humidity between 40~60%. NO Direct sunlight exposure.