Joining Opportunities

Technical Datasheet **(PETGHW807)**

APPLICATION:	This PETGH HIGH TEMPERATURE WHITE CORE is the result of the mixture of specific PETG resins which make this material easy to be implemented by any card manufacturers. It has been designed specifically for the production of high added value cards that need to work under extreem conditions and high temerature. This material gives to the card body structure a very high resistance and long durability.		
APPEARANCE:	WHITE, BOTH SIDES MATT.		
THICKNESS (µm)	120 – 330 µm		
THICKNESS TOLERANCE ON 100% OF READINGS	Between 120 – 200 µm	± 7 %	
	Between 210– 280 µm	± 6 %	
	Between 290– 330 µm	± 5 %	
PROPERTIES	**TEST METHOD**	**RESPONSE VALUE**	
VICAT SOFTENING POINT (5Kg Load in oil as stacked samples)	UNI EN ISO 306 VSTB50	120 ± 2 °C	
DENSITY	ISO 1183-1	1.32 ± 0.05 g/cm^3	
SURFACE TENSION	ISO 8296	Best Printing side ≥ 36 mN/m	
		Reverse side ≥ 33 mN/m	
SURFACE ROUGHNESS	ASIA Tech Internal Test	Ra (µm)	Between 0.8~1.8µm
		Rz (µm)	Between 5~10µm
GLOSSINESS DEGREE in %	ASIA Tech Internal Test	Thickness ≤ 300µm	-
		Thickness ≥ 310µm	-
TENSILE STRENGTH	UNI EN ISO 527-3/2/50	CD MPa ≥	-
		MD Mpa ≥	-
HEAT SHRINKAGE in % (140±2 °C for 10 Minutes)	ASIA Tech Internal Test	Thickness 120-200µm	MD≥ -14 | CD≤ +6 %
	ASIA Tech Internal Test	Thickness 210-280µm	MD≥ -5 | CD≤ +4 %
	ASIA Tech Internal Test	Thickness 290-330µm	MD≥ -4 | 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.

ASIA Tech Solutions Group Ltd.
Unit 1502, Beautiful Group Tower, 74-77 Connaught Road, Central. Hong Kong S.A.R. – Office HK +852.8174.6697