



# YUPO® AIUE-105 Specification Sheet

## IML Grade

<u>Parameter</u>	<u>Units</u>	<u>Range</u>	<u>Reference*</u>	<u>Notes</u>
Thickness, Average	micron	105 +/- 7	JIS P-8118	2
Basis Weight, Average	g/m2	85.0 +/- 4.0	JIS P-8124	2
Opacity, Average	%	91.0 min.	TAPPI T-425	2
Gloss, Average - Adhesive	%	73 +/- 15	TAPPI T-480	2
- Print Side	%	22 +/- 4	TAPPI T-480	2
Whiteness, Average	WI	94 min.	JIS L-1015	2
Surface Resistivity - Adhesive	log( $\Omega/\square$ )	16.0 max.	ASTM D257	2, 4
- Print Side	log( $\Omega/\square$ )	13.0 max.	ASTM D257	2
Tensile Strength - MD	kgf/15mm	4.5 min.	TAPPI T-494	2
- TD	kgf/15mm	13.0 min.	TAPPI T-494	2
5% Elongation - MD	kgf/15mm	2.5 +/- 1.0	TAPPI T-494	2
- TD	kgf/15mm	7.5 +/- 3.0	TAPPI T-494	2
Tear Strength - MD	gf	35.0 +/- 9.0	TAPPI T-414	2
- TD	gf	18.0 +/- 7.0	TAPPI T-414	2
Clark Stiffness - MD	s-value	11.0 min.	TAPPI T-451	1, 2
- TD	s-value	32.0 min.	TAPPI T-451	1, 2
Orange Peel Evaluation	Pass/Fail	TBD		2

### Notes Key:

1 - Stiffness increases with aging over the first month from date of manufacture.

2 - Specification range shown

4 - SSR decreases (improves) by ~ 1.0 over first two weeks from DOM. Value is as tested immediately after production.

\* Yupo test methods based on, but not necessarily the same as, reference stated; Yupo procedure stated if reference not available.

This document provides our current specifications for AIUE-105. Changes to these items may occur at the sole discretion of Yupo Corporation America. This issue supersedes any and all previous versions.

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