



Labels & Packaging Substrate Evaluation Report

Certified for
HP Indigo

Supplier Information	
Supplier Name	Jindal Films Americas LLC
Supplier Address	729 Pittsford-Palmyra Rd., Macedon, NY, 14502 USA

Product Information	
Substrate Name	42MHD146
Substrate Type	PP
Substrate Category	Flexible Packaging
White/Transparent/other, please specify	White
Thickness/Weight	42 um

Certification Number	RI6000-15-3956
Certification Center	RIT
Date of Evaluation	05/22/2015
Evaluated on	HP ws6000
Certified for	ws6000, ws6600 & ws6800
Evaluation Process	Full

Evaluation	Measurement	Result	Grade (stars)	Comments
Runability	substrate webhandling on press.	Pass	★ ★ ★	
Scalability	frame to frame registration.	Pass		

Ink Adhesion / Fixing	Peeling 100% ink coverage patch (CMYK) at 15 and 60 minutes. Only 100% test patch.	100%	★ ★ ★	
	Peeling 400% ink coverage patch (CMYK) at 15 and 60 minutes. Only 400% test patch.	100%		
	For transparent substrates: Peeling 400% ink coverage patch CMYK(200%) + 2xW@100% at 15 and 60 minutes. Only 400% test patch.			
Cleaner Pages	# of pages required	1		

Evaluation	Measurement	Result	Grade (stars)	Comments
Blanket Compatibility	Blanket memory of previous image		★★★	
forced colour test	Forced CMYK	Pass	★★★	
Temperature mapping	Increase 5 degrees	Pass		
	Decrease 5 degrees	Pass		
Press Parameters (best working point)	Results without White Ink	Results with White Ink		
PTH temperature:	55			
Feed Fan	8			
Blanket temperature	105			
2nd transfer pressure	200			
Evaluation Result		Pass		

Comment Detail:

Noted: ink cracking of the 400% ink coverage. Did not see ink cracking in the 300% coverage.

Three star rating criteria (supplier view)		★★★	★★	★
Measure		Best performing substrates	Recommended substrates	Good substrates
Runability, scalability, web-breaks, jams snaking, wrinkling, telescopic, bleeding, high friction, etc.	Evaluate during the entire duration of the test procedure	Perform successfully at high speed (2x sep.) and default speed (4x sep.) without substrate issues. Scalability wizard test must perform successfully.	Perform successfully at high speed (2x sep.) and default speed (4x sep.) without substrate issues. Scalability wizard test must perform successfully.	Perform successfully at high speed (2x sep.) and default speed (4x sep.) without substrate issues. Scalability application independent.
Ink fixing/adhesion	Tape peeling test for CMYK and CMYK+W for transparent and metalized at 15 minutes and 60 minutes interval.	>90% ink adhesion	>80% ink adhesion at 15 minutes. >90% ink adhesion at 60 minutes.	>70% ink adhesion at 15 minutes. >80% ink adhesion at 60 minutes.
	Flaking test at 15 minutes.	<1mm on 400% ink coverage	<1mm on 300% ink coverage	<1mm on 200% ink coverage
Blanket compatibility	Blanket cleaner pages after 1000 impressions	2nd blanket cleaner page clean	3rd blanket cleaner page clean	3rd blanket cleaner page clean

★★★ Best performing substrates. Fewer print cleaner pages needed. No blanket memory at least up to 5k impressions.

★★ Recommended substrates. Some print cleaner pages needed. Slight blanket memory may be seen at 5k impressions.

★ Good substrates. Print cleaner pages generally needed. Some blanket memory may be seen at 5k impressions.

Test substrates failed under high speed (2x sep.) runability are solely certified for default speed (4x sep. or more). Restricted from high speed runability and displayed under comments on HP Indigo Media Solutions Locator.

★ Legacy star. Substrate is certified under old certification test procedure. Additionally designated to substrates that are solely screen tested or approved by interpolation.

