Substrate Compatibility Test Report

Date: 4/13/10
Material: Label
Machine: WS6000 / Nr.
Location: RIT
Certification Number: R6000-10-1732

SUBSTRATE TEST DETAILS
Supplier name: UPM Raflatac
Media name: 54# Raflacoat IL RPST 40# White Kraft (2.5mil)

<table>
<thead>
<tr>
<th>Category</th>
<th>Self-adhesive</th>
<th>Flexible Packaging</th>
<th>Paper</th>
<th>Shrink Sleeve</th>
<th>Synthetic</th>
<th>Magnetic</th>
<th>Cartonboard IMC</th>
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<td>× US</td>
<td>Other</td>
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<td>Media type</td>
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<td>PC</td>
<td>PET</td>
<td>PP/BOPP</td>
<td>PLA</td>
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Test description: Official substrate compatibility test for industrial presses ws6000.
Test procedure: Screen test × Full test
Shipping condition received goods: firmly wrapped and protected to stabilize environmental conditions

Setup (default): Ink version: 4.5
Blanket code: Telescopic: None
Necessary print cleaners: 0

Ink adhesion: after 15 mins. = 100% after 60 mins. = 100%
Forced colour test: Cyan: ok Magenta: ok Yellow: ok Black: ok
Temperature mapping: 95 degr. = 100% 105 degr. = 100% 115 degr. = 100%
Press settings (best working point) PTH 55 Blanket= 105 Feed fan = 5 2nd Transfer = 300

Test result/conclusion: × PASS FAIL

Additional remarks/comments: