### Substrate Compatibility Test Report

**Date:** 3/30/10  
**Material:** BOPP label  
**Machine:** ws4050 / Nr.  
**Location:** RIT  
**Certification number:** RI4050-10-1749

### Substrate Test Details

**Supplier name:** Avery Dennison - FRNA  
**Media name:** 2.3 mil White BOPP ITC/SG9N/1.2 mil PET

#### Category:

- [ ] Self-adhesive  
- [ ] Flexible Packaging  
- [ ] Paper  
- [ ] Shrink Sleeve  
- [ ] Synthetic  
- [ ] Magnetic  
- [ ] IML  
- [ ] Cartonboard

#### Region:

- [ ] Europe  
- [X] LA  
- [X] US  
- [ ] Other  
- [X] Canada  
- [ ] APJ

#### Media type:

- [ ] Paper  
- [ ] PVC  
- [ ] Specialty  
- [ ] Textile  
- [X] Magnetic  
- [ ] PE  
- [ ] PC  
- [ ] Teslin  
- [ ] Embossed  
- [ ] Metalized  
- [ ] PET  
- [ ] OPS  
- [ ] Coated Gloss  
- [ ] Transparent  
- [ ] Beige  
- [ ] PP/BOPP  
- [ ] PLA  
- [ ] Coated Matte  
- [ ] White

#### Test description:

Official substrate compatibility test for industrial presses ws4000/ws4050/ws4500.

#### Test procedure:

- [X] Screen test  
- [ ] Full test

#### Shipping condition received goods:

Firmly wrapped and protected to stabilize environmental conditions

#### Setup (default):

- **Ink version:** 4.0  
- **Blanket code:**  
- **Pip code:**  
- **ITM default temperature:** 146 degr. C.

#### Substrate behaviour:

- **Bleeding:** None  
- **Telescopic:** None  
- **Static:** None  
- **Jams:** None

#### Necessary print cleaners:

- **1**

#### Ink adhesion:

- **Pass**

#### Forced colour test:

- **Cyan:** Pass
- **Magenta:** Pass
- **Yellow:** Pass
- **Black:** Pass

#### Temperature mapping:

- 135 degr.= NA
- 146 degr.= NA
- 156 degr.= NA

#### Test result/conclusion:

- **PASS**
- **FAIL**

#### Additional remarks/comments:

- Initial remarks:
- Additional notes:
- Certification label:

**Certification number:** RI4050-10-1749