

# DESCO INDUSTRIES INC. MBB\_3.5Mil\_Third Party Test Report

## SECTION 1 — INDEPENDENT TEST LAB THAT PERFORMED TESTING

Company: Packaging Research Centre Sdn. Bhd.  
 Address: Lots 5078 & 5079,  
 Jalan Jenjarum 28/39, Seksyen 28,  
 40400 Shah Alam, Selangor, Malaysia  
 Website: <http://www.prc.com.my>  
 Test Sample Receipt Date: 2013-08-27

## SECTION 2 — SAMPLE DESCRIPTIONS

Material Identity: [Statshield® ESD Shielding Moisture Barrier Bag, 3.5mil](#)  
 Dimension and Quantity: A4 size; 6 pieces  
 Background: To evaluate the barrier property of the samples

## SECTION 3 — TEST PERFORMED

**Water Vapour Transmission Rate**  
 (37.8°C, 90%RH)

## SECTION 4 — PLASTIC TESTING LABORATORY

| Description   | Unit                      | Test Method    | Testing Date | Mean Value | Standard Deviation |
|---|---------------------------|----------------|--------------|------------|--------------------|
| <b>Measured Thickness</b><br>(Test Equipment: Militron 1202D,<br>Foot Pressure: 13.35 kPa, Foot<br>Size: 8.5mm, No. of specimens<br>tested: 20)   | µm                        | PRC TM 003/94  | 2013-8-28    | 85.8       | 2.1                |
| <b>Water Vapor<br/>Transmission Rate</b><br><i>37.8°C, 90 ±2%RH</i><br><br>(Test Area: 50cm <sup>2</sup> , Test<br>Equipment: Mocon Permatran<br>W3/338)<br><br>Shiny surface facing test gas |                           | ASTM F 1249-06 | 2013-9-26    |            |                    |
| Specimen 1  | g/m <sup>2</sup> /day     |                |              | 0.0959     | 0.0072             |
| Specimen 2  | g/m <sup>2</sup> /day     |                |              | 0.100      | 0.0059             |
| Specimen 1  | g/100in <sup>2</sup> /day |                |              | 0.00619    | 0.00046            |
| Specimen 2  | g/100in <sup>2</sup> /day |                |              | 0.00645    | 0.00038            |

\*The tester's lowest testing limit is 0.005 g/m<sup>2</sup>/day.