

# DESCO INDUSTRIES INC. MBB\_6.5Mil\_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 High Moisture Barrier Bag, 6.5mil](#)  
 Dimension and Quantity: A4 size; 5 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> (Test Equipment: Militron 1202D, Foot Pressure: 13.35 kPa, Foot Size: 8.5mm, No. of specimens tested: 20)	µm	PRC TM 003/94	2013-8-28	176.4	1.4
<b>Water Vapor Transmission Rate</b> <i>37.8°C, 90 ±2%RH</i>  (Test Area: 50cm <sup>2</sup> , Test Equipment: Mocon Permatran W3/338)  Shiny surface facing test gas		ASTM F 1249-06	2013-10-7 to 2013-10-8		
Specimen 1	g/m <sup>2</sup> /day			0.126	0.0023
Specimen 2	g/m <sup>2</sup> /day			0.116	0.0034
Specimen 1	g/100in <sup>2</sup> /day			0.00813	0.00015
Specimen 2	g/100in <sup>2</sup> /day			0.00748	0.00022

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