

DESCO INDUSTRIES INC. MBB_4Mil_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: 2012-08-05

SECTION 2 — SAMPLE DESCRIPTIONS

Material Identity: [Statshield® ESD Shielding Moisture Barrier Bag, 4.0mil](#)
 Dimension and Quantity: A4 size; 10 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
Measured Thickness (Test Equipment: Militron 1202D, No. of specimens tested: 20)	µm	PRC TM 003/94	2012-5-10	100.7	1.2
Water Vapor Transmission Rate <i>37.8°C, 90 ±2%RH</i> (Test Area: 50cm ² , Test Equipment: Mocon Permatran W3/338) Shiny surface facing test gas		ASTM F 1249-06	2012-5-11 to 2012-5-14		
Specimen 1	g/m ² /day		*	<0.005	<0.005
Specimen 2	g/m ² /day		*	<0.005	<0.005
Specimen 1	g/100in ² /day			<0.0003	<0.0003
Specimen 2	g/100in ² /day			<0.0003	<0.0003

*The tester's lowest testing limit is 0.005 g/m²/day.