

Electrical Testing Report Page 1 of 1

Testing : D-C Resistance Of Insulating Materials

Test Method : ASTM D257-14

Project Number : P20153680 Purchase Order #: 82015

Customer : ODIN International, Inc. THOR Tarp Division

Attention : Steve Analyst : P. Bacon

Date : August 28, 2015



Material : 61" 11 oz. Anti-Static and Flame Retardant Vinyl Laminated Polyester

(Part# VLP-1100-AS)

Sample Dimensions : 4" x 4" plaques

Electrode Type : Guarded Parallel Plate

Electrode Dimensions : Measuring : 1.9993 in. O.D. 0.25835 in. Thick

: 3.2340 in. O.D. 2.2545 in. I.D. 0.251 in. Thick

Guard : 2.9790 in. O.D. 0.4904 in. Thick

Measurement Method : Three Terminal
Measurement Circuit : Parallel
Applied Voltage : 500 Volts
Electrode Area : 22.92 cm²
Electrification Time : 60 Seconds

Sample Preparation : Cut to size by Intertek PTL

Sample Conditioning : 40+ Hours at 23°C ± 2°C / 50% ± 10% RH

Test Conditions : $23^{\circ}C \pm 2^{\circ}C / 50\% \pm 10\% RH$

| Sample Name | Thickness (in) | Apparent Surface Resistance (Ω) | Apparent Surface Resistivity (Ω/square) |
|-------------|----------------------------|--|---|
| Side A | 0.0133 0.0133 0.0134 | 4.42E+10 2.82E+10 2.90E+10 | 2.31E+12 1.48E+12 1.52E+12 |
| | Average | 3.38E+10 | 1.77E+12 |
| Side B | 0.0140 0.0135 0.0135 | 1.21E+10 1.18E+10 1.98E+10 | 6.34E+11 6.18E+11 1.04E+12 |
| Average | | 1.46E+10 | 7.63E+11 |