



MICROSTAT LABORATORIES
RIVER'S EDGE TECHNICAL SERVICE

Specialists in Materials Testing and Technical Services

TEST REPORT

Tempo Plastic Company

Expanded Polystyrene
#3/301F

TESTED FOR

Surface Resistance

Report #: 2006-108
September 28, 2006
P.O. #: 4189

SUMMARY

One sample of Expanded Polystyrene #3/301F molded into a tray was received for verification of its surface resistance.

The sample is static dissipative with a surface resistance of $4.15 \times 10^9 \Omega$.

EXPERIMENTAL AND DISCUSSION

The sample tray was conditioned for a minimum of 48 hours at the specified conditions (12% & 50% R.H., & 23°C) before testing was started.

Six surface resistance measurements were made at various locations on the tray. The measurements are reported as "resistance," as specified in ESD STM 11.11. To obtain resistivity values, multiply the resistance numbers by 10. The surface resistance of the sample averaged $4.15 \times 10^9 \Omega$. All of the data obtained is included in Table 1 below.

Table 1
Surface Resistance Data

Location #	Resistance
1	$5.95 \times 10^9 \Omega$
2	$5.54 \times 10^9 \Omega$
3	$5.27 \times 10^9 \Omega$
4	$1.65 \times 10^9 \Omega$
5	$3.57 \times 10^9 \Omega$
6	$2.95 \times 10^9 \Omega$
Average	$4.15 \times 10^9 \Omega$
Minimum	$1.65 \times 10^9 \Omega$
Maximum	$5.95 \times 10^9 \Omega$

EQUIPMENT USED FOR ELECTRICAL TESTING

Surface Resistance Measurements:

Keithley Model 6517a Electrometer/High Resistance Meter

ETS Model 803B Resistance Probe

ETS Model 809 Surface Resistance Verification Fixture

The results provided in this report are accurate within the limits appropriate to each test standard. The results of this report are statistically significant only to the samples submitted for testing. MicroStat Laboratories/River's Edge Technical Service, Inc. has no controls, and assumes no responsibility for the tested product's functionality or use.




Carl E Newberg

9/28/2006

Date