



TRACE LABORATORIES-EAST

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Certificate No. TLE01A



Cert No(s) 1251.01, 1251.02,
1251.03

ISO 9001:2000



ISO/IEC 17025



Certificate No. A1330



TEST REPORT FOR:

THERM-A-GUARD

2023 Del Betmar Rd.

Clearwater, FL 33763

Attn: Bill Hoth

DATE IN:

May 4, 2005

P/O #:

Check #2184

SUBMISSION IDENTIFICATION:

Ten (10) specimens, identified as "Therm-A-Guard Wildlife Protector HDPE", were submitted for Comparative Tracking Index (CTI) Testing in accordance with ASTM D3638.

We offer our results and observations.

SUMMARY:

The following CTI values were found for the samples submitted:

675 V, 650 V, 700 V, 650 V, and 675 V

APPROVED:

John M. Radman
Senior Technical Director



COMPARATIVE TRACKING INDEX

TEST SPECIMENS:

Five (5) specimens, identified as “Therm-A-Guard Wildlife Protector HDPE”

REFERENCE:

ASTM D3638-98 (Not Covered Under A2LA Accreditation)

METHOD:

The test area on each specimen was initially cleaned to remove any dust, dirt, fingerprints, grease, oil, etc. Then, two opposing platinum electrodes of a Lumetron CT1-01 tester were placed 4 mm apart on a flat horizontal surface of the specimen.

The electrodes were supplied with a sinusoidal voltage, at a frequency of 60 Hz, with a current limiting resistor also present in the circuit.

The surface of the specimen between the electrodes was then wetted with drops of an Ammonium Chloride / Distilled Water solution. The drops fell centrally between the electrodes from a height of 40 mm with the drop size regulated in accordance with the specification.

Failure occurs when a current of 0.5 A or more flows for at least 2 seconds in a conduction path between the electrodes or if the specimen burns without releasing the over-current relay.

RESULTS:

The table below summarizes the Comparative Tracking Index (CTI) results obtained:

Sample ID	Comparative Tracking Index (V)
1	675
2	650
3	700
4	650
5	675



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Trace Laboratories-East certifies that the test equipment used complies with the calibration test purposes of ISO 10012-1, ANSI/NCSL Z540-1-1994, and MIL-STD-45662A and that the data contained in this report is accurate within the tolerance limitation of this equipment.

All test procedures detailed within this report are complete. The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full, without the written approval of Trace Laboratories-East.

Thank you for selecting Trace Laboratories-East for your testing purposes.

Keith M Sellers
Scientist

SAMPLE DISPOSITION: Samples returned to customer

