



TEST REPORT

CLIENT: IPS Corporation
PO BOX 220
Collierville, TN 38017

Attn: Jim Whitehead

Test Report No:	654:01937	Date:	January 23, 2009
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SUBJECT: Rate of Burning and / or Extent and Time of Burning of Plastics in a Horizontal Position

SAMPLE ID: Fifteen samples measuring a nominal 125 mm x 13 mm x 2.9 (nominal) mm were received from the client on 1/20/09 in good condition. The identification of the samples is as listed:

- **TRUBRO Lav Guard Protective Pipe Cover**

PROCEDURES: The material was tested for flammability in accordance with ASTM D 635-06, Rate of Burning and / or Extent and Time of Burning of Plastics in a Horizontal Position.

TEST DATES: 1/22/09

RESULTS: The material tested is classified as HB according to Appendix X.1 (X.1.2.1 There are no visible signs of combustion after the ignition source is removed). The test results are on the following page.

CERTIFICATION: The tests reported here were conducted under continuous, direct supervision of SGS U. S. Testing Company Inc., Tulsa, OK.

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.**

Terry Hurst
Engineering Technician / Test Operator

J. Brian McDonald
Fire Technology Department Manager

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TEST RESULTS:

IDENTIFICATION:

TRUBRO Lav Guard Protective Pipe Cover

Test Number	Passed 25-mm Length	Reached 100-mm Length	Time ¹ (sec)	Linear Burn Rate ² (mm/min)
1	NO	NO	0	0
2	NO	NO	0	0
3	NO	NO	0	0
4	NO	NO	0	0
5	NO	NO	0	0
6	NO	NO	0	0
7	NO	NO	0	0
8	NO	NO	0	0
9	NO	NO	0	0
10	NO	NO	0	0
AVERAGE			0	0

¹ – References the time elapsed from the 25-mm mark to the 100-mm mark or the point of extinguishment for samples exceeding the 25-mm mark but not reaching the 100-mm mark

² – References burn length per Time¹

Note: None of the 10 specimens produced any sustained flaming after the 30 seconds of burner exposure. Very little smoke was noted during flame exposure and no flaming or dripping occurred with any of the ten specimens.

Per Section 9.8 of ASTM D 635, the test procedure must be repeated until three specimens have burned to or beyond the 100 mm reference mark, or ten specimens have been burned.

END OF REPORT



United States Testing Company, Inc.
Engineering Services Division

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REPORT OF TEST
LAV GUARD™

CLIENT: Truebro
P.O. Box 429
Ellington, CT 06029

NUMBER: 102117-2
September 17, 1991

SUBJECT: Thermal Conductivity/Thermal Resistance

REFERENCE:

Truebro, Letter of Authorization dated August 31, 1991.

SAMPLE IDENTIFICATION:

One (1) sample of material was submitted and identified by the Client as follows:

PVC Sheet with a Shore "A" 65 Hardness

TEST PERFORMED:

The submitted sample was tested for Thermal Conductivity/Thermal Resistance in accordance with the procedures outlined in ASTM Test Method C-177.

TEST RESULTS:

Sample Thickness, IN	0.193
Hot Face Temperature, °F	81.61
Cold Face Temperature, °F	65.17
Average Test Temperature, °F	73.39
Thermal Conductivity, (k), Btu-in/hr-ft ² -°F	1.17
Total Thermal Resistance, (R), Hr-ft ² -°F/Btu	0.165

Testing Supervised by:

Frank Savino

Frank Savino, Supervisor
Materials Engineering Section

SIGNED FOR THE COMPANY

By *Frank Pepe*

Frank Pepe
Vice President

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SGS U.S. Testing Company Inc.

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Report Number: 105665

Date: 04/08/98

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Client: Truebro, Inc.
7 Main Street
Ellington, CT 06029

Subject: Samples submitted and identified by the client as: Lav Shield.

Sample Description: White, plastic-like pliable solid.

Project: Fungal and Bacterial Resistance Testing

Test Dates: 03/11/98 - 04/08/98

Procedure: ASTM G-21 and G-22

The testing was conducted in accordance with the procedures outlined in ASTM G-21-96, "Determining Resistance of Synthetic Polymeric Materials to Fungi", and ASTM G-22-96, "Determining Resistance of Plastics to Bacteria".

The sample was placed on a mineral salts medium and sprayed with the following organisms:

<u>ASTM G-21</u>	<u>ATCC #</u>
<i>Aspergillus niger</i>	9642
<i>Penicillium funiculosum</i>	11797
<i>Chaetomium globosum</i>	6205
<i>Gliocladium virens</i>	9645
<i>Aurebasidium pullulans</i>	15233

Prepared by:


Joseph Lacirignola
Laboratory Technician

SIGNED FOR THE COMPANY BY:


D. Keith Goins, Ph.D.
Manager, Microbiology

Member of the SGS Group

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REPORT OF TEST