



Progressive Engineering Inc.

Primix Corporation

FMVSS 302
Flammability Test

1/19/2007



This test report contains four (4) pages, including the cover sheet. Any additions to, alterations of, or unauthorized use of excerpts from this report are expressly forbidden.

2007-151
(B)

1. TITLE

Flammability of Interior Materials test per Federal Motor Vehicle Safety Standard (FMVSS) Number 302 as stated in the Code of Federal Regulations Title 49, Volume 5, Section 571.302. (10-1-02 Edition)

2. OBJECTIVE

To test the exterior engineered composite coating of the railroad tie per the aforementioned safety standards.

This test report pertains only to the specimen tested. It remains the sole responsibility of the manufacturer to provide a product consistent to that which was tested.

3. TESTED FOR

Primix Corporation
19097 Market Street
New Paris, IN 46553

4. TESTING ORGANIZATION

Progressive Engineering, Inc.
58640 State Road 15
Goshen, IN 46528
www.p-e-l.com

See IAS Evaluation Report TL-178 for ISO 17025 Accreditation

5. TESTING PERSONNEL

Director of Testing - Greg A. Weeden
Laboratory Manager - Jason R. Holdeman
Technician - Rodd Lehman



6. PREPARATION OF TEST SPECIMEN

Test specimen is cut into a 4" x 14" x 1/2" thick (maximum) piece for testing. The test specimen is then conditioned for a minimum of twenty-four (24) hours.

7. TEST PROCEDURE

- A. Test specimen is mounted in between matching "U" brackets.
- B. Test specimen is then placed in metal cabinet.
- C. Bunsen burner flame is then exposed to end of test sample for fifteen (15) seconds.
- D. The time required for the flame to travel from 1-1/2" in from the open end of the "U" bracket to 1-1/2" in from the closed end of the "U" bracket is measured and recorded.
- E. The rate of burn is then calculated and recorded.

8. TEST RESULTS

See the attached data sheet for test results.

Progressive Engineering, Inc.

FMVSS 302 FLAMMABILITY TEST

Client: Primix Corporation

Sample Description: Exterior composite coating of the railroad tie.

Samples Received on: 1/5/2007

PRECONDITIONING

	Date	Time	Temp.	Rel. Hum.
Start	1/18/2007	8:30	71deg.F.	48%
Stop	1/19/2007	1:45	71deg.F.	47%

TEST DATA

Date	Travel Time (s)	Travel Distance	Comments / Observations
1/19/2007	0.0 sec	-	The test sample did not burn. There were no flames. The specimen surface self extinguished.

TEST RESULTS

Based on the data above the following Burn Rate (B_r) was obtained. Burn rate is defined as "Travel Distance" divided by the "Travel Time" (in minutes)

Burn Rate	Pass	Fail
0.00"/min	✓	

A PASS is considered a Burn Rate (B_r) of of LESS than 4" per minute.

Rodd Lehman

Technician

