

**INTRODUCTION:**

This report describes the results of the Federal Motor Vehicle Safety Specification FMVSS 302 performed on specimens previously described, submitted by Permatron Corporation. The specimens were prepared and all test evaluations were conducted at Intertek Testing Services Cortland, New York.

**TEST OBJECTIVE/PROCEDURE:**

To determine the burn rate of parts, portions of parts, and composites used as interior trim parts in passenger cars, multipurpose passenger vehicles, trucks, and buses.

The test is performed in a chamber meeting the specifications of Federal Motor Vehicle Safety Standard (FMVSS) 302. Standard test specimens 100mm x 355mm x thickness are mounted horizontally in the U-shaped holder with the surface closest to the passenger compartment facing downward. Test samples with a maximum available width of 50mm or less or samples that are flexible and may soften and bend away from the flame are supported in the frame using 0.25mm diameter heat-resistant wire at 25mm intervals. The ignition source is a bunsen burner with a tube diameter of 9.5mm, air inlets closed, and adjusted to produce a flame 38mm high. The top of the burner is positioned 19mm below the center of the test sample at the open end of the holder. The sample is exposed to the flame for 15 seconds. The timer is started when the flame front reaches the first 38mm gauge mark. The timer is stopped when the flame front has reached the gauge mark 38mm from the closed end of the holder or if the flame front self-extinguishes. When the flame front moves 50mm from the first gauge mark so rapidly that accuracy is severely effected the sample is reported to be Rapid Burning.

**TEST CRITERIA:**

1. The burn rate shall not exceed 100mm per minute.

**TEST RESULTS:**

Client: Permatron Corporation  
Order No.: J20016415  
Test No.: 1  
Damaged (yes/no): No

Date Received: June 8, 2000  
Date Completed: June 9, 2000  
Engineer: Dale W. Soos  
Technician: Adrian Pless III

SPECIMEN DESCRIPTION: Model "R" - polypropylene and metal weave layered with a metal frame

Specimen Length (in): 14 Width (in): 2-7/8 Thickness (in): 0.0825  
Color: Black

SAMPLE NO.	RESULTS
1	Sample 1 data was rejected due to burner placement error. Replaced by Sample 1a.
1a	Sample did not burn to initial 1-1/2" mark. A burn rate could not be calculated.
2	Sample did not burn to initial 1-1/2" mark. A burn rate could not be calculated.
3	Sample did not burn to initial 1-1/2" mark. A burn rate could not be calculated.

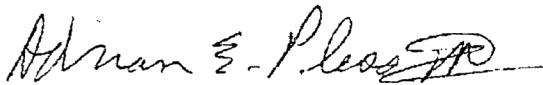
COMPLIES

**CONCLUSION**

The automotive filter material, submitted by Permatron Corporation, was evaluated in accordance with the Federal Motor Vehicle Safety Specification FMVSS 302, on June 9, 2000.

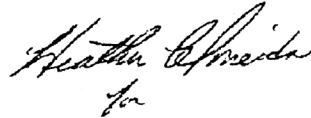
The specimen was judged to be in compliance with the requirements of the Federal Motor Vehicle Safety Specification FMVSS 302 test standard.

Tests Conducted by:



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Reviewed and Approved by:



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Sr. Project Engineer  
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