

"Progress Through Innovation, Technology
and Customer Satisfaction"



AKRON RUBBER DEVELOPMENT LABORATORY, INC.
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June 16, 2006

Mr. Graham Hagens
Lafarge Asphalt Engineering
2283 Argentia Road
Unit 16
Mississauga, Ontario
Canada L5N 5Z2

SUBJECT: Analytical testing on sample submitted by the above company.
PO# CC

RECEIVED: One rubber membrane.

GAS PERMEABILITY-ASTM D1434-82 (2003), PROCEDURE V
Apparatus: Custom Scientific Model CS-135
Gas Used: Methane
Test Temperature: 25.0°C
Test Gas Pressure: 15 psi
Permeation area of the sample: 66.4 cm²

Gas permeability testing was performed following the test conditions listed above. Please see the attached page explaining the calculations for the permeability constant.

SAMPLE	GAS PERMEABILITY	
	cm ³ /sec/atm	(cm ³)(cm)/(cm ²)(s)(cmHg)(Pa)
Rubber Membrane	1.884E-08	1.859E-13

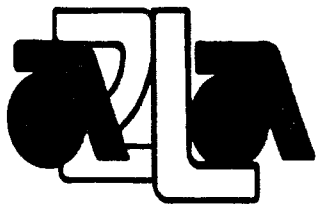
James Irwin
Chemist
AKRON RUBBER DEVELOPMENT LABORATORY, INC.

Satish C. Sharma, Ph.D.
Manager, Chemical Services

PN# 68233

csn

Any samples submitted for this project will be retained at Akron Rubber Development Laboratory, Inc., for a period of three months following completion of work.



THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited


**AKRON RUBBER DEVELOPMENT
LABORATORY**
Akron, OH

for technical competence in the field of
Chemical Testing

The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC 17025 - 1999 "General Requirements for the Competence of Testing and Calibration Laboratories" and any additional program requirements in the identified field of testing.

Presented this 28th day of May 2004.





President
For the Accreditation Council
Certificate Number 0255.02
Valid to July 31, 2006

For the tests or types of tests to which this accreditation applies,
please refer to the laboratory's Chemical Scope of Accreditation.

Revised 05/25/06