



LAB REPORT

June 7, 1996

SUBJECT:

Physical testing of compounds submitted to Akron Rubber Development Laboratory, Inc. Akron Rubber is an A2LA accredited laboratory, a member of ACIL: The Association of Independent Scientific, Engineering and Testing Firms and may perform tests on the following: (1) rubber and related products, (2) plastics and related products, (3) latex, (4) adhesives, sealers and adhesive tapes, and (5) dynamic testing (MTS). If there are any questions in reference to this test, Akron Rubber Development Laboratory, Inc. may be contacted at 1-800-830-ARDL.

RECEIVED:

Urethane samples identified as Irathane 86A Lt. Red, Bailey Parks 85A Blue, Tandem 85A Dk. Blue, Argonics 93A Black and Argonics 80A Red

NBS ABRASION, ASTM D 1630-94: 1/4" thick specimen 45 RPM

The apparatus used to conduct the test consisted of three arms pivoted at one end and having a mass suspended from the other end. The mass is attached so that a downward force of 22 N (5 lbf) is exerted directly on the specimen in contact with the abrasive. The abrasive consists of 425 micron 40 grit, No. 1.5 garnet paper 150 mm (6 in.) in width cubed. Compressed air is used for cleaning the surface of the abrasive.

	<u>Average Number of Rotations for 0.1" Wear</u>	<u>NBS Abrasive Index</u>
NBS Reference	783	100
Irathane 86A Lt. Red	951	121
Bailey Parks 85A Blue	1338	171
Tandem 85A Dk. Blue	1329	170
Argonics 93A Black	1242	159
Argonics 80A Red	1732	221

These lab tests may not indicate actual field results.



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Graphical representation of NBS Abrasion Test Results conducted by Akron Rubber Development Laboratory, Inc.

