

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
 Phone: 706-278-3013 • Fax: 706-272-7057 • E-mail: info@ittslab.com

Test Report

Customer: Mannington Mills

September 28, 2012

Subject: Sample(s) submitted for testing by the customer and identified below:

Sample Identification: Assurance III

Test Method Conducted
ASTM C-1028
Static Coefficient of Friction

Test Method Summary:

The specimen submitted was subjected to testing in accordance to the test procedure. The results are reported below.

True Results / Leather Sole

Dry Coefficient of Friction

1) 0.88	7) 0.91
2) 0.90	8) 0.87
3) 0.89	9) 0.88
4) 0.86	10) 0.91
5) 0.88	11) 0.86
6) 0.87	12) 0.87

Average 0.8796

$$F_D = (R_D / N_W) = X_D$$

$$F_W = (R_W / N_W) + X_W$$

- F_D = static coefficient of friction for dry surface
- F_W = static coefficient of friction of wet surface
- R_D = total of the 12 dry force readings (lbs.)
- R_W = total of the 12 wet force readings (lbs.)
- N = number of pulls (12)
- X_D = dry calibration factor
- X_W = wet calibration factor
- W = total weight of the heel assembly plus 50 lb. weight



 President L. Kent Suddeth

Independent Textile Testing Service, Inc.

Test No: 124380

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Sample Identification: Assurance III

**Test Method Conducted
 ASTM C-1028
 Static Coefficient of Friction**

Test Method Summary:

The specimen submitted was subjected to testing in accordance to the test procedure. The results are reported below.

True Results / Neolite			
Dry Coefficient of Friction		Wet Coefficient of Friction	
1) 0.92	7) 0.88	1) 0.80	7) 0.84
2) 0.88	8) 0.88	2) 0.84	8) 0.83
3) 0.86	9) 0.92	3) 0.85	9) 0.83
4) 0.87	10) 0.84	4) 0.86	10) 0.82
5) 0.90	11) 0.85	5) 0.85	11) 0.90
6) 0.89	12) 0.83	6) 0.83	12) 0.85
Average 0.8771		Average 0.8408	

$$F_D = (R_D / N_W) = X_D$$

$$F_W = (R_W / N_W) + X_W$$

- F_D = static coefficient of friction for dry surface
- F_W = static coefficient of friction of wet surface
- R_D = total of the 12 dry force readings (lbs.)
- R_W = total of the 12 wet force readings (lbs.)
- N = number of pulls (12)
- X_D = dry calibration factor
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- W = total weight of the heel assembly plus 50 lb. weight

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Sample Identification: Assurance III

Test Method Conducted
ASTM C-1028
Static Coefficient of Friction

Test Method Summary:

The specimen submitted was subjected to testing in accordance to the test procedure. The results are reported below.

True Results / Rubber			
Dry Coefficient of Friction		Wet Coefficient of Friction	
1) 0.79	7) 0.85	1) 0.88	7) 0.98
2) 0.83	8) 0.81	2) 0.96	8) 0.96
3) 0.82	9) 0.82	3) 0.96	9) 0.95
4) 0.83	10) 0.85	4) 0.96	10) 0.92
5) 0.81	11) 0.82	5) 0.90	11) 0.98
6) 0.81	12) 0.82	6) 0.97	12) 0.95
Average 0.8205		Average 0.9465	

$$F_D = (R_D / N_W) \times X_D$$

$$F_W = (R_W / N_W) + X_W$$

- F_D = static coefficient of friction for dry surface
- F_W = static coefficient of friction of wet surface
- R_D = total of the 12 dry force readings (lbs.)
- R_W = total of the 12 wet force readings (lbs.)
- N = number of pulls (12)
- X_D = dry calibration factor
- X_W = wet calibration factor
- W = total weight of the heel assembly plus 50 lb. weight



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