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TEST REPORT

CLIENT:	TotTurf	**REPORT NUMBER:**	**51041**
	4401 E. Baseline Road, Suite 105	**LAB TEST NUMBER:**	2296-7231
	Phoenix, AZ 85042	**DATE:**	February 25, 2011

TEST MATERIAL:

Identification
TT AROMATIC 100% BEIGE EPDM, 20% AROMATIC BINDER

INTRODUCTION: Testing Services Inc was instructed by the client to evaluate the tensile properties of vulcanized rubber and elastomers.

TEST METHOD: **ASTM D412: Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers**

PROCEDURE: Five dumbbell shaped Die "C" was die cut from the sample lot and allowed to condition 24 hrs at 70°F 65% RH. After conditioning was met, each specimen thickness was measured in three locations and averaged, using a micrometer. Additionally, benchmarks were scribed 1" equidistant from the center of each specimen for jaw location when loaded into an Instron CRE Tensile Tester. The specimen was then loaded into a lower and upper jaw of the Instron and pulled at a rate of 20"/minute until rupture occurred. The lbs/force and % elongation was recorded at rupture. The cross sectional area was computed using: average thickness of the specimen X 0.50 (distance of restricted area of die where rupture occurred). From this, the tensile strength was computed using: lbs/force @ rupture / cross sectional area.

TEST DATA:

Specimen #	Avg. Specimen Thickness	Tensile Strength	% Elongation
1	0.552"	91.67 psi	33.4
2	0.555"	109.03 psi	43.9
3	0.555"	101.55 psi	39.4
4	0.560"	118.79 psi	43.1
5	0.561"	108.00 psi	43.5
Average	→	**105.81 psi**	**40.7%**

Approved By:

Digitally signed by Erle Miles, Jr. VP
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Date: 2011.02.25 16:27:29 -05'00'

Erle Miles, Jr. VP
Testing Services Inc