



## INDEPENDENT LABORATORY TEST RESULTS

LAB NO. 059-235	Silicon-----	0.63
	Iron-----	0.13
	Copper-----	0.21
	Manganese-----	0.05
	Magnesium-----	0.9
	Chromium-----	0.22
	Nickel-----	<0.01
	Zinc-----	0.03
	Titanium-----	0.02
	Lead-----	<0.01
	Tin-----	<0.01
	Beryllium-----	<0.01
	Vanadium-----	<0.01
	Zirconium-----	<0.01
	Aluminum-----	Rem.

SIZE	AREA	YIELD STRENGTH		TENSILE STRENGTH		ELONGATION	
		Load	Lbs per inch <sup>2</sup>	Load	Lbs per inch <sup>2</sup>	2" Ga	%
.124/.501	.0621	2778	44,700	3038	48,900	.198	10

HARDNESS: 58 HRBW (97 HB equiv.\*)

\*converted per ASTM E140-07, Table 9 (conversion values are appx.)

*YIELD STRENGTH DETERMINED BY: 0.2% OFFSET*

Chemistry by OES / Units of Measurement = Percent

MEETS SPECIFICATION REQUIREMENTS

DOES NOT MEET SPECIFICATION REQUIREMENTS

X NOT APPLICABLE

RESPECTFULLY SUBMITTED,

MICHAEL GIBONEY

GENERAL MANAGER

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