

MATERIAL TEST REPORT

Sales Order: SO0001414


Purchase Order: SBB-0062

SB NAVITAS
480, 435 - 4TH AVE SW
CALGARY AB
Calgary , CA

CHEMICAL ANALYSIS

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	AL	V	B	Cb	Ti	Ca	N	O	CEQ	DI	PrM
HEAT	0.26	1.4	0.013	0.007	0.22	0.09	0.05	0.40	0.03		0.032	0.004	0.0017		0.030				0.589		
CHECK	0.266	1.362	0.010	0.005	0.219	0.085	0.042	0.391	0.026	0.007	0.035	0.006	0.0016		0.041	0.0008			0.586		
CHECK	0.265	1.37	0.011	0.004	0.221	0.085	0.042	0.393	0.026	0.007	0.035	0.006	0.0016		0.042	0.0010			0.586		

MECHANICAL PROPERTIES

<u>Test</u> 4L09385	<u>Type</u> Strip	<u>Size</u> 1"	<u>Orient</u> Long.	<u>Yield KSI</u> 127.02	<u>Tensile KSI</u> 135.28	<u>Elong in 2"</u> 23.7	<u>Y/T Ratio</u> 0.9389	Collapse, PSI 12200 Flattening OK		Hydrotest, PSI 11600 Hold Time: 5 SEC							
				Impact Tests			Hardness										
<u>Test</u>	<u>Loc</u>	<u>Size</u>	<u>Temp</u>	<u>Notch</u>	<u>Energy (AVG)</u>	<u>%Shear</u>	<u>Scale</u>	<u>Lat Exp.</u>	<u>I.D.</u>	<u>M.W.</u>	<u>O.D.</u>	<u>Mean #</u>	<u>Scale</u>	<u>I.D.</u>	<u>M.W.</u>	<u>O.D.</u>	<u>Mean #</u>
	L	3/4	32		73	90		HRC				30.86					
Inspections Performed							Remarks					From the office of:					
<u>Test</u>	<u>Type</u>	<u>Pass</u>	<u>Cal.</u>	<u>Test</u>	<u>Type</u>	<u>Pass</u>	Release # SO0001414 Processor: BMG W/O #: 4611-010 Rolled material supplied by: BMG										
												This is to certify that the product described with was manufactured, supplied, tested, and/or inspected in accordance with the specification and the order, and fulfills the requirements in such respect.					