

Attn:

SSAB

Test Certificate

12400 Highway 43 North, Axis, Alabama 36506, US

Form TC1: Revision 4: Date 6 Feb 2019

WARNING: This product can expose you to chemicals including nickel and nickel compounds, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Customer:

Customer P.O.No.:HOU-10433

Mill Order No. 41-670125-01

Shipping Manifest: AR354651

Product Description: ABS (2022) GR A / GR B

ASTM A36(19)/A709(2.1)36/ASME SA36(21)

ASTM A283-C(18)/ASME SA283-C(21)

0.80-0.90% MN, 010% MAX S

Ship Date: 09 Apr 22
Cert Date: 09 Apr 22
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Size: 0.250 X 96.00 X 480.0 (IN)

Tested Pieces:				Tensiles:				Charpy Impact Tests						
Heat Id	Piece Id	Tested Thickness	Tst Loc	YS (KSI)	UTS (KSI)	%RA	Elong % 2In 8In	Tst Dir	Abs. Energy(FITLB)	% Shear Avg	Tst Tmp	Tst Dir	Tst Siz (mm)	EDWTT Tmp %Shr
W2D569	D25	0.247 (DISCRT)	L 55	65	62	42	T	T	1 2 3 Avg	1 2 3 Avg				
W2D569	D30	0.372 (DISCRT)	L 50			47	T							
Heat														
W2D569	C	Mn	P	S	SI	Total Sol Al	Cu	NI	Cr	Mo	CH	V	TI	CAV
	.05	.83	.009	.001	.30	.026	.023	.28	.13	.10	.04	.002	.003	.019
Chemical Analysis														
ORGAN USA														

KILLED STEEL.
MERCURY IS NOT A METALLURGICAL COMPONENT OF THE STEEL AND NO MERCURY WAS INTENTIONALLY ADDED DURING THE MANUFACTURE OF THIS PRODUCT.
WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY SSAB AMERICAS BY THE ELECTRIC FURNACE / STRAND CAST PROCESS AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN BUREAU OF SHIPPING RULES WITH SATISFACTORY RESULTS.
CEV = C + MN/6
KILLED STEEL, PRODUCED TO A FINE GRAIN PRACTICE
MTR EN 10204:2004 INSPECTION CERTIFICATE 3.1 COMPLIANT
100% MELTED, POURED, AND ROLLED IN THE USA
NO WELD REPAIR HAS BEEN PERFORMED ON THIS MATERIAL.
PRODUCTS SHIPPED:

W2D569 D27 PCS: 7, LBS: 22869
W2D569 D26 PCS: 10, LBS: 32670
W2D569 D28 PCS: 11, LBS: 35937

(P) Cust Part #: _____ WE HEREBY CERTIFY THAT THIS MATERIAL WAS TESTED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF, THE APPROPRIATE SPECIFICATION _____ Jason Thomas Director Technical Services