

NJSB TAG NO 651

## **MATERIAL CERTIFICATION**

12600 Clarence Center Road Akron, NY 14001 716-542-5552 716-542-5555

Email: nsm@nsm-ny.com

Date of shipment: 02/10/2021

**Production Order: 131084** 

Grade:

440-C ESR

Description:

440-C ESR HRA Descaled Sheared Sheet

.103/.113 x 22/25" RW x 36.000" Ex.

Heat# N00952

Chemistry Analysis							
NSM Heat Number: N00952				Hardness:			
Carbon:	1.010	Manganese:	0.800	Phosphorus:	0.017	Copper:	
Silicon:	0.210	Chromium:	16.600	Vanadium:		Niobium:	
Cobalt:		Molybdenum:	0.530	Nickel:		Nitrogen:	
Sulphur:		Tungsten:		Titanium:		Aluminum:	
Carbon:	1.010	Manganese:	0.800	Phosphorus:	0.017	Copper:	0.080
Silicon:	0.210	Chromium:	16.600	Vanadium:	0.070	Niobium:	0.010
Cobalt:		Molybdenum:	0.530	Nickel:	0.180	Nitrogen:	0.038
Sulphur:		Tungsten:		Titanium:		Aluminum:	
Remarks							
Chemistry as per ASTM A-276, ASTM F899-12b							

**BHN HARDNESS = 179** 

Country of origin: USA

Material received date: October 08, 2020

Original mill heat no: G27779

Federal ID #: 16-1179936

RH SUL

Robert Shabala

We provide material that is free from mercury contamination and radiation at the time of shipment No weld repair is done. We are compliant with EU directive 2002/95/EC (ROHS), REACH, EN 10204 2004 3.1 and DFARS 252.225.7001,7002,7008,7009. Material is melted and manufactured in North America.

The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under federal statutes including Federal Law, Title 18, Chapter 47. The above are true and correct results of tests on samples of the material. Said results meet the specification(s) and are on record.