

NOTICE OF SHIPMENT/
PACKING LIST

CERTIFICATE OF TEST



Fiat Rolled Products

CUST. ORD. NO. & DATE	CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
0133257-JEM	01/11/16	BRACKENRIDGE, PA	513172	31020101060000	52-016-014	08/04/16
FORMS DISTRIBUTION	REPEAT ORDER	DO PRI-ORITY	GOVT CONTRACT	MATL	SHIPPING LOCATION	INVOICE
SOLD TO →	07575-0	31		2370	BRACKENRIDGE #3	034335
SHIP TO →	PRIME SEC.			SHIP TO		
ROLLED ALLOYS INC	DSO DSO			ROLLED ALLOYS INC.		
PO BOX 310	516			125 WEST STERNS ROAD		
TEMPERANCE				TEMPERANCE	MI 48182	

GRADE

"ATI 625" NICKEL ALLOY PLATE-HOT ROLLED COILS ANNEALED PICKLED 3 EDGE

CARRIER - CLAY TRANSPORT, INC.

* Y.S. BY 0.2% OFFSET METHOD

ITEM TEST NO
001B 3742271

TRACER # 0485715JS

ELONG AT FRACTURE

NR = DATA NOT REQUIRED
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: HCL/CHROMIC ACID

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

THESE COMMODITIES OR TECHNOLOGY, WHEN EXPORTED FROM THE UNITED STATES, ARE IN ACCORDANCE WITH THE USA EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. U.S. LAW ALSO PROHIBITS DISPOSITION OF THESE COMMODITIES/TECHNICAL DATA TO ANY END-USER OR FOR ANY END-USE RELATED TO THE DESIGN, DEVELOPMENT, PRODUCTION, STOCKPILING, OR USE OF CHEMICAL, BIOLOGICAL, OR NUCLEAR WEAPONS, OR MISSILES, WITHOUT THE PROPER APPROVAL OF THE UNITED STATES GOVERNMENT.

ATI-FRP DEFINES THE GRAIN ORIENTATION NOMENCLATURE AS LONGITUDINAL (L) IS THE LENGTH, LONG TRANSVERSE (LT) IS THE WIDTH, AND SHORT TRANSVERSE (ST) IS THE THICKNESS OR GAUGE.

ATI FLAT ROLLED PRODUCTS HAS COMPLIED WITH ALL PRODUCER REQUIREMENTS OF AS6279.

MATERIAL IS OF USA MELT AND MANUFACTURE.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Flat Rolled Products' Order Acknowledgement.

WARNING
Safety Data Sheets for this product are available on our website, www.ATIMetals.com. A thorough review of the Safety Data Sheet for the grade of material purchased shall be performed prior to working with this product and all safety & health considerations outlined must be implemented.

CONSIGNEE- Please Note- This consignment was turned over to carrier in first class condition, being correctly loaded at which time our responsibility to protect or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

Stephen Wolff
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE		CUST. CODE		ACCEPTING MILL		SHIPPER NO.		PRODUCT CODE		MILL ORDER NUMBER		DATE SHIPPED	
0133257-TEM		01/11/16		773550		BRACKENRIDGE, PA		513172		31020101060000		08/04/16	
FORMS DISTRIBUTION										SHIPPING LOCATION		INVOICE	
SOLD TO		SHIP TO		SPEC TO		DO RATE ORITY		GOVT CONTRACT		MATERIAL			
10		10		10		07575-0		07575-0		2370		034335	
										BRACKENRIDGE #3		PA	
										SHIP TO			
										ROLLED ALLOYS INC.			
										125 WEST STERNS ROAD			
										TEMPERANCE		MI 48182	

TRACER # 0485715US

GRADE
"ATI 625" NICKEL ALLOY PLATE-HOT ROLLED COILS ANNEALED PICKLED 3 EDGE
CARRIER - CLAY TRANSPORT, INC.

EN 10204:2005 - ATI FLAT ROLLED PRODUCTS IS APPROVED AS A MANUFACTURER ACCORDING TO THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC.

THIS CERTIFIED MATERIAL TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI FRP HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI FRP QUALITY MANUAL REVISION 24 DATED 10/16/2015.

ATI FLAT ROLLED PRODUCTS WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM REQUIREMENTS.

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, ANNEX 1, 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

ATI FLAT ROLLED PRODUCTS PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES

- FOR TESTING LOCATIONS TC, BN, MI, & LO:
- C, S BY COMBUSTION/INFRARED
- N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
- MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
- B BY OES
- AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
- PB, BI, AG BY GFAA

MATERIAL TESTED AT ATI FLAT ROLLED PRODUCTS GEAE S400 APPROVED FACILITIES (T1225 & T9317):
NATRONA HEIGHTS, PA; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

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Stephen Wolff -
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST

Page 4 of 4 01/11/16 ROLLER ALLOYS TRACER#0485715US

CERTIFICATE OF TEST

CUST. ORD. NO. & DATE

0133257-TEM

FORMS DISTRIBUTION

SOLD TO → SHIP TO → SPEC →

SOLD TO
ROLLED ALLOYS INC
PO BOX 310
TEMPERANCE MI 48182

CUST. CODE

01/11/16 773550

ACCEPTING MILL

BRACKENRIDGE, PA 513172
REPEAT ORDER
07575-0 31
PRIME SEC.

SHIPPER NO.

513172

DO PRK. ORITY

31

PRODUCT CODE

31020101060000

MILL ORDER NUMBER

52-016-014

SHIPPING LOCATION

2370

PA

034335

DATE SHIPPED

08/04/16

INVOICE

034335

MI 48182

MI 48182

GRADE

"ATI 625" NICKEL ALLOY PLATE-HOT ROLLED COILS ANNEALED PICKLED 3 EDGE

CARRIER - CLAY TRANSPORT, INC.

ATI FLAT ROLLED PRODUCTS HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, NADCAP, ISO/EIC 17025, GEAE S400 (T1225 & T9317), GEAE S-1000. REFER TO WWW.ATIMETALS.COM TO ACCESS THE CURRENT ATI FRP QUALITY CERTIFICATIONS.

MATERIAL WAS SOLUTION ANNEALED AT 1600F (871C) MINIMUM, HELD WITHIN +/- 25F (+/- 14C) OF THE SETPOINT FOR A TIME COMMENSURATE WITH THICKNESS, AND COOLED AT A RATE EQUIVALENT TO AIR COOL OR FASTER.

THE NUMERIC CODES SHOWN UNDER MELT SOURCE CAN BE INTERPRETED AS FOLLOWS:

1. - MATERIAL MELTED, ROLLED AND TESTED IN THE UNITED STATES.
2. - FOREIGN MELT; ROLLED AND TESTED IN THE UNITED STATES.

ATI FLAT ROLLED PRODUCTS HAS RECEIVED NADCAP APPROVAL FOR CHEMICAL, MECHANICAL, METALLOGRAPHIC, HARDNESS, CORROSION TESTING, MECHANICAL TEST SPECIMEN PREPARATION, AND HEAT TREATMENT OF SPECIMENS. VERIFICATION OF SCOPE AND ACCREDITATION IS AVAILABLE ONLINE.

EN 10204:2005 3.1 CERTIFICATE.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

TC = ATI-FLAT ROLLED PRODUCTS; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

MATERIAL WAS ANNEALED AT 1600 °F (871 °C) MINIMUM, HELD WITHIN ± 25 °F (± 14 °C) OF THE SETPOINT FOR A TIME COMMENSURATE WITH THICKNESS, AND COOLED AT A RATE EQUIVALENT TO AIR COOL OR FASTER. REISSUED BY ATI FLAT ROLLED PRODUCTS - 11/15/2016 08:54 /cmc

THE CHEMICAL PROPERTIES MEET THE REQUIREMENTS OF (AMS 5666J CHEMISTRY ONLY) SPECIFICATION. REISSUED BY ATI FLAT ROLLED PRODUCTS - 01/25/2017 09:06 /cmc

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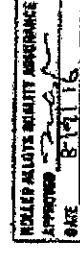
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Stephen Wolff -
Director, Corporate Quality Assurance

08/04/16 09:51:57





Stephen J. Wolff
Director, Corporate Quality Assurance

Corporate Quality Assurance Department
100 River Road
Brackenridge, PA 15014 USA
Phone: (724) 226-5344
Fax: (724) 226-5856
Stephen.Wolff@ATImetals.com

October 21, 2016

Adam Schwartz
Rolled Alloys
Director of Quality

Subject: AMS5599H

ATI 625™ produced to AMS5599G meets the composition and properties requirements of AMS5599H.

Regards,

A handwritten signature in black ink, appearing to read "Stephen J. Wolff", written over a horizontal line.

Stephen J. Wolff

CC: D. M. Palo
K. K. Schmidt
J. K. Marinchek
C. M. Napoli

