



S14# 6262 2 NPS SLEEVE FOU

ARCELORMITTAL TUBULAR PRODUCTS USA LLC  
 132 WEST MAIN STREET  
 SHELBY, OH 44875-1471  
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**MATERIAL TEST REPORT**

ISO 9001:2015 IATF 16949:2016

CUSTOMER: EARLE M. JORGENSEN CO. 305 PENDANT DRIVE MISSISSAUGA ON L5T2W9	SPECIFICATIONS(S): ASTM A513 2020A	CUSTOMER ORDER NO.: P170548-842	SHELBY ORDER NO.: 594975	PAGE 01 OF 01
	FAX: (905) 564-1921 PRINT NO.	CUSTOMER PART NO.: 112285	NDT	MELT SOURCE
			NDT PER ASTM E309	FLACK GLOBAL
			S# 00491713	STEEL BAR/STRIP MFG PROCESS CONTINUOUS/STRAND CAST

GRADE 1026	SIZE (O.D. X I.D. X WALL) 2.500 X 1.500 X .500	QUANTITY 67 PC 16491 LB 1544.40 FT	SHIPPED DATE: 07/08/2022	TODAY'S DATE: 07/08/2022
AM-SHELBY ITEM NO: 50002337		PRODUCT DESCRIPTION: EW DOM STRESS RELIEVE ANNEAL		

CHEMICAL COMPOSITION (% WEIGHT)																			
Heat No.	Sample	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Al	Sn	Ca	O	N	Ti	B	Cb
21167451	Heat	0.23	0.74	0.006	0.002	0.03	0.03	0.03	0.01	0.05	0.003	0.030	0.002	0.0022		0.0080	0.001	0.0002	

MECHANICAL PROPERTIES															D.I.		Grain Size		
Tensile Properties															Hardness				
Heat No.	Bundle No.	Yield Strength	Units	Method	Yield Strength	Units	Method	Tensile Strength	Units	%Elongation	% Reduction	HBW	HRBW	HRC					
21167451	T8557141	85900	PSI	0.20%OFF				98600	PSI	20			96						

Charpy Impact Properties							
Size	Orientation (Test direction)	Temp.	Energy 1st	Energy 2nd	Energy 3rd	Energy Avg.	Energy Units

METALLURGICAL PROPERTIES																		
Jominy Hardenability (EXPRESSED IN 16THS)																		
Heat No.	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24	28	32

Test position	AT	AH	BT	BH	CT	CH	DT	DH

Hot Reduction Ratio	OTHER INSPECTION Melted and Manufactured in USA ASTM A513 Type 5 EN 10204 3.1	THIS TEST REPORT NOTARIZED WHEN REQUIRED SWORN AND SUBSCRIBED BEFORE ME THIS DAY OF
		NOTARY PUBLIC <i>Douglas E. Musser</i> Douglas E. Musser, Chief Metallurgist Doug.Musser@Arcelormittal.com

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