

ArcelorMittal Olaberria-Bergara

ArcelorMittal Europe – Long Products

CARRETERA MADRID - IRUN, KM. 419

20212 OLABERRIA (Gipuzkoa)

TELEF. (943) 80.50.00 - FAX (943) 88.04.04

**MILL TEST CERTIFICATE****OLA P-65709**

DISCHARGE ADDRESS		CUSTOMER		
Plesa Anahuac Y Cias, S.A. de C.V. Av. Valle de las Alamedas 66-O Col. S. Francisco Chilpan, Tul MEXICO		PLESA ANAHUAC Y CIAS S.A. DE C.V. AV. VALLE DE LAS ALAMEDAS 66-O COL. SAN FRANCISCO CHILPAN - T MEXICO		
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING	
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Gipuzkoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			PASAJES, SPAIN	
		PORT OF DISCHARGE		VESSEL
		VERACRUZ		TRINITYBORG
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE	
P1704510	E-68940/1700028489	28499	27/09/2019	

Material: "WFB-PERFILES DE ACERO AL CARBONO LAMINADO EN CALIENTE"

El exportador de los productos incluidos en el presente documento,
Autorización aduanera no.

ARCELORMITTAL OLABERRIA-BERGARA, S. L. U. ES/20/0040/03

Declara que, salvo indicación en sentido contrario, estos
productos gozan de un origen preferencial ESPAÑA

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
+ / RED							
WF BEAMS 8x21	40´	2	12	24	4572	9.144	191477
WF BEAMS 8x21	40´	1	12	12	4572	4.572	191478
WF BEAMS 8x21	40´	3	12	36	4572	13.716	191479
WF BEAMS 8x21	40´	5	12	60	4572	22.860	191480
WF BEAMS 10x12	40´	2	22	44	4790	9.580	191481
WF BEAMS 10x12	40´	1	22	22	4790	4.790	191483
WF BEAMS 10x19	40´	1	14	14	4827	4.827	191464
WF BEAMS 10x26	40´	1	10	10	4717	4.717	191441
WF BEAMS 10x26	40´	6	10	60	4717	28.302	191442
WF BEAMS 14x43	40´	5	5	25	3901	19.505	191767
WF BEAMS 14x43	40´	3	5	15	3901	11.703	191768
WF BEAMS 14x43	40´	2	5	10	3901	7.802	191769
WF BEAMS 14x43	40´	1	3	3	2340	2.340	191767
WF BEAMS 14x48	40´	7	5	35	4354	30.478	191738
WF BEAMS 14x53	40´	3	5	15	4808	14.424	191734
WF BEAMS 14x53	40´	5	5	25	4808	24.040	191735
WF BEAMS 14x53	40´	1	2	2	1923	1.923	191734
WF BEAMS 21x50	40´	3	5	15	4536	13.608	191985

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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 21x50	40´	1	5	5	4536	4.536	191986
WF BEAMS 21x57	40´	1	5	5	5171	5.171	191993
WF BEAMS 21x57	40´	2	5	10	5171	10.342	191996
WF BEAMS 24x84	40´	1	3	3	4572	4.572	191938

TOTAL BUNDLES

57

TOTAL WEIGHT

252.952 Kg.

A02 EN 10204/3.1

CSA G40.21 50W/ASTM A572 G50/A992/A6-16a

(B01/B02/B03) A03

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																	
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV				
B02																		
191441	,110	,960	,230	,030	,017	,009	,340	,180	,027	,410	,035	,029	,004	,38				
191442	,102	,910	,220	,029	,019	,008	,340	,210	,026	,420	,037	,031	,004	,37				
191464	,105	,920	,200	,023	,021	,006	,240	,150	,023	,350	,033	,028	,003	,35				
191477	,091	,900	,200	,022	,021	,007	,180	,220	,030	,430	,038	,024	,004	,33				
191478	,080	,900	,200	,024	,021	,007	,200	,210	,031	,450	,033	,024	,004	,32				
191479	,064	,900	,180	,020	,022	,006	,190	,170	,025	,420	,033	,024	,003	,30				
191480	,064	,890	,180	,025	,024	,006	,210	,150	,022	,400	,037	,028	,004	,30				
191481	,070	,910	,190	,022	,023	,007	,210	,160	,024	,370	,038	,026	,004	,31				
191483	,087	,900	,190	,022	,020	,006	,200	,160	,024	,380	,036	,029	,004	,32				
191734	,065	,930	,160	,026	,018	,007	,210	,170	,031	,410	,035	,026	,001	,31				
191735	,081	,940	,180	,026	,021	,005	,160	,200	,028	,460	,034	,025	,002	,32				
191738	,060	1,040	,210	,026	,025	,009	,200	,190	,026	,460	,035	,028	,002	,32				
191767	,069	,950	,210	,017	,023	,001	,120	,240	,038	,330	,041	,024	,002	,30				
191768	,065	,950	,200	,018	,024	,001	,100	,260	,039	,390	,042	,023	,002	,29				
191769	,064	,900	,190	,016	,021	,001	,110	,390	,042	,370	,037	,026	,003	,30				
191938	,069	,900	,200	,017	,019	,004	,130	,170	,031	,400	,032	,028	,002	,29				
191985	,068	,930	,210	,028	,018	,004	,160	,180	,030	,410	,037	,027	,003	,30				
191986	,060	,870	,190	,030	,020	,003	,190	,200	,033	,440	,032	,028	,003	,29				
191993	,065	,920	,210	,024	,024	,004	,170	,170	,028	,400	,037	,025	,003	,30				
191996	,101	,930	,210	,027	,019	,004	,180	,150	,030	,410	,035	,023	,004	,34				

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES						A% LO=8"	
		ReH MPa		Rm MPa					
B11	B08	C11		C12		C13			
W-10x12	191481	430	430	552	530	22,3	22,		
W-10x12	191483	436	424	548	544	22,2	21,9		
W-10x19	191464	423	409	538	532	22,1	22,		
W-10x26	191441	387	377	552	546	22,3	21,9		
W-10x26	191442	397	395	606	580	22,2	22,		
W-14x43	191767	389	380	491	502	22,7	22,9		
W-14x43	191768	396	382	505	489	24,8	24,5		
W-14x43	191769	386	388	521	493	23,3	23,4		
W-14x48	191738	382	374	491	491	26,4	25,6		
W-14x53	191734	411	397	526	506	27,2	26,5		
W-14x53	191735	386	372	502	494	27,1	26,8		
W-21x50	191985	409	401	511	507	22,4	21,8		
W-21x50	191986	414	402	515	495	22,5	21,8		

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		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11		C12		C13	
W-21x57	191993	408	391	498	494	22,9	22,3
W-21x57	191996	412	402	531	523	23,	22,2
W-24x84	191938	392	386	491	489	26,2	26,2
W-8x21	191477	382	374	532	516	22,8	22,5
W-8x21	191478	376	368	543	541	22,2	21,9
W-8x21	191479	407	393	510	488	22,3	21,8
W-8x21	191480	395	391	513	495	22,3	21,9

20 análisis

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.

B06: Marca AMO

Responsable del Departamento de Calidad Z01

Jose Maria Galindo