

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****BER P-37315**

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 BERGARA C/IBARRA, 6 20570 BERGARA (Gipuzkoa) TELEF. (943) 76.19.40 - FAX (943) 765243			PASAJES, SPAIN	
		PORT OF DISCHARGE		VESSEL
		VERACRUZ		BBC CAMPANA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE	
P1704510	E-60217/1700028875	28960	19/11/2019	

Material: "WF-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 6x9	40´	1	27	27	4408	4.408	410529
WF BEAMS 6x9	40´	13	27	351	4408	57.304	592101
WF BEAMS 6x9	40´	2	27	54	4408	8.816	592103
WF BEAMS 6x9	40´	1	18	18	2939	2.939	592103
WF BEAMS 6x12	40´	1	21	21	4573	4.573	591547
WF BEAMS 6x12	40´	13	21	273	4573	59.449	592541
WF BEAMS 6x16	40´	1	5	5	1451	1.451	591946
WF BEAMS 6x16	40´	14	15	210	4354	60.956	592430
WF BEAMS 6x16	40´	1	10	10	2903	2.903	592430
WF BEAMS 6x8,5	40´	1	27	27	4164	4.164	410521
WF BEAMS 6x8,5	40´	2	27	54	4164	8.328	410523
WF BEAMS 6x8,5	40´	23	27	621	4164	95.772	592108
WF BEAMS 6x8,5	40´	1	12	12	1851	1.851	592108
WF BEAMS 4x13	40´	1	19	19	4482	4.482	586989
WF BEAMS 8x10	40´	22	18	396	3266	71.852	592733
WF BEAMS 8x10	40´	3	18	54	3266	9.798	592739
WF BEAMS 8x10	40´	1	10	10	1814	1.814	592733
WF BEAMS 8x10	40´	1	17	17	3084	3.084	410537
WF BEAMS 8x13	40´	1	18	18	4236	4.236	591890

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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 8x13	40´	7	18	126	4236	29.652	592608
WF BEAMS 8x15	40´	2	18	36	4898	9.796	591861
WF BEAMS 8x15	40´	11	18	198	4898	53.878	592511

TOTAL BUNDLES

123

TOTAL WEIGHT

501.506 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					
B08																			
410521	,147	,714	,172	,018	,030	,006	,146	,126	,028	,382	,010	,015	,000	,34					
410523	,146	,733	,171	,018	,029	,006	,112	,133	,024	,353	,010	,017	,000	,33					
410529	,144	,771	,172	,018	,021	,006	,145	,131	,029	,385	,000	,015	,000	,34					
410537	,133	,763	,186	,021	,025	,006	,154	,129	,028	,403	,000	,015	,000	,33					
586989	,069	,930	,180	,017	,019	,013	,100	,110	,023	,340	,023	,024	,001	,28					
591547	,101	,860	,180	,026	,021	,006	,260	,210	,031	,440	,035	,034	,003	,35					
591861	,053	,840	,170	,026	,032	,004	,110	,140	,028	,410	,038	,026	,002	,26					
591890	,098	1,090	,170	,024	,019	,016	,200	,150	,031	,440	,032	,025	,003	,37					
591946	,087	,920	,200	,025	,018	,003	,170	,230	,043	,440	,035	,028	,004	,33					
592101	,074	,940	,240	,026	,020	,004	,150	,180	,036	,410	,043	,026	,003	,31					
592103	,073	,900	,200	,023	,023	,003	,120	,140	,031	,390	,036	,025	,004	,29					
592108	,066	,900	,200	,022	,021	,004	,130	,160	,026	,380	,035	,026	,003	,28					
592511	,061	,910	,210	,023	,028	,005	,150	,180	,022	,460	,026	,025	,002	,29					
592541	,082	,880	,200	,022	,019	,004	,120	,180	,030	,440	,030	,022	,003	,30					
592608	,062	,930	,200	,020	,019	,006	,130	,190	,029	,380	,037	,022	,002	,29					
592733	,071	,920	,200	,026	,020	,006	,160	,180	,026	,450	,033	,034	,003	,30					
592739	,081	1,010	,200	,021	,019	,006	,150	,150	,020	,410	,038	,028	,001	,32					

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=2"	
B11	B08	C11		C12		C13	
W-4x13	586989	426	411	518	505	24,1	23,7
W-6x12	591547	411	403	515	498	34,	33,6
W-6x12	592541	422	421	518	499	37,	36,2
W-6x16	591946	408	407	566	548	31,4	30,5
W-6x8,5	410521	418	410	537	529	33,6	32,5
W-6x8,5	410523	426	415	537	518	39,4	38,5
W-6x8,5	592108	446	437	529	525	37,6	36,4
W-6x9	410529	409	405	526	520	33,4	32,5
W-6x9	592101	468	456	563	547	29,8	29,6
W-6x9	592103	468	457	575	568	31,5	30,6
W-8x10	410537	431	423	545	532	29,4	28,6
W-8x10	592733	423	419	606	596	30,	29,6
W-8x10	592739	464	450	539	537	30,4	29,7
W-8x13	591890	454	454	552	552	26,	,
W-8x13	592608	427	409	534	516	36,7	36,2
W-8x15	591861	424	418	516	506	34,	33,5
W-8x15	592511	470	459	563	551	27,4	26,8

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17 análisis

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

B06: Marca AMB

Responsable del Departamento de Calidad Z⁰¹

A handwritten signature in black ink, appearing to read 'J.M. Galindo'.

Jose Maria Galindo