

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-66510**

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	BBC CAMPANA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-70305/1700028873	28967	19/11/2019

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
<b>+ / RED</b>							
WF BEAMS 8x18	40´	4	16	64	5226	20.904	193216
WF BEAMS 10x22	40´	2	12	24	4790	9.580	192385
WF BEAMS 10x49	40´	3	6	18	5334	16.002	192751
WF BEAMS 10x49	40´	3	6	18	5334	16.002	192752
WF BEAMS 12x40	40´	4	5	20	3629	14.516	192755
WF BEAMS 12x40	40´	2	5	10	3629	7.258	192757
WF BEAMS 14x22	40´	4	9	36	3592	14.368	193218
WF BEAMS 14x22	40´	3	9	27	3592	10.776	193237
WF BEAMS 14x30	40´	1	6	6	3266	3.266	193164
WF BEAMS 14x30	40´	4	6	24	3266	13.064	193207
WF BEAMS 14x30	40´	5	6	30	3266	16.330	193231
WF BEAMS 14x34	40´	4	6	24	3701	14.804	193160
WF BEAMS 14x34	40´	2	6	12	3701	7.402	193161
WF BEAMS 16x26	40´	2	7	14	3302	6.604	191951
WF BEAMS 16x26	40´	3	7	21	3302	9.906	192730
WF BEAMS 16x26	40´	3	7	21	3302	9.906	192731
WF BEAMS 16x26	40´	2	7	14	3302	6.604	192733
WF BEAMS 18x60	40´	3	4	12	4354	13.062	193285

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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 18x60	40´	3	4	12	4354	13.062	193286
WF BEAMS 18x60	40´	1	4	4	4354	4.354	193287
WF BEAMS 18x76	40´	3	3	9	4137	12.411	191644
WF BEAMS 18x76	40´	2	3	6	4137	8.274	191645
WF BEAMS 18x76	40´	1	3	3	4137	4.137	191646
WF BEAMS 18x76	40´	1	3	3	4137	4.137	191650
WF BEAMS 18x76	40´	1	2	2	2758	2.758	191646
WF BEAMS 24x62	40´	1	2	2	2250	2.250	191967
WF BEAMS 24x68	40´	3	4	12	4935	14.805	191894

TOTAL BUNDLES

70

TOTAL WEIGHT

276.542 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																			
191644	,102	,930	,210	,022	,018	,004	,210	,180	,031	,480	,031	,027	,003	,35					
191645	,111	,950	,190	,019	,020	,005	,220	,210	,029	,460	,033	,026	,002	,36					
191646	,131	,940	,220	,019	,020	,004	,160	,170	,030	,400	,035	,033	,003	,36					
191650	,090	,950	,190	,016	,019	,004	,150	,180	,031	,410	,029	,019	,003	,32					
191894	,085	,920	,190	,017	,024	,006	,170	,200	,042	,430	,042	,019	,003	,32					
191951	,081	,940	,190	,021	,018	,003	,200	,190	,034	,430	,037	,026	,001	,33					
191967	,074	,910	,210	,020	,018	,003	,140	,170	,031	,430	,037	,023	,003	,30					
192385	,072	,950	,200	,025	,018	,004	,160	,160	,037	,380	,037	,022	,002	,31					
192730	,065	,940	,180	,022	,019	,006	,120	,170	,028	,360	,033	,026	,002	,29					
192731	,075	,930	,190	,022	,020	,006	,120	,150	,031	,360	,032	,037	,003	,30					
192733	,071	,920	,200	,026	,020	,006	,160	,180	,026	,450	,033	,034	,003	,30					
192751	,075	,980	,200	,021	,019	,005	,140	,150	,025	,380	,031	,030	,001	,31					
192752	,071	1,000	,200	,019	,020	,006	,120	,160	,030	,380	,037	,032	,001	,30					
192755	,101	,930	,250	,028	,024	,005	,180	,170	,039	,370	,034	,027	,004	,34					
192757	,082	,900	,220	,024	,023	,005	,130	,150	,031	,390	,031	,026	,003	,30					
193160	,072	,900	,180	,023	,019	,005	,110	,250	,029	,430	,034	,026	,002	,30					
193161	,064	,890	,180	,022	,018	,004	,110	,230	,029	,430	,031	,024	,003	,28					
193164	,069	,970	,200	,023	,018	,005	,130	,210	,031	,420	,034	,023	,001	,31					
193207	,071	,980	,190	,019	,024	,005	,110	,150	,026	,390	,039	,022	,002	,30					
193216	,076	,990	,230	,020	,023	,005	,120	,160	,035	,380	,035	,023	,004	,31					
193218	,068	1,010	,200	,020	,026	,004	,090	,180	,036	,390	,037	,022	,001	,30					
193231	,086	,910	,200	,024	,024	,004	,170	,210	,025	,430	,030	,024	,004	,32					
193237	,078	,890	,180	,025	,022	,004	,150	,170	,031	,390	,030	,026	,002	,30					
193285	,073	,960	,190	,025	,020	,005	,160	,150	,033	,360	,033	,021	,001	,31					
193286	,083	,950	,200	,026	,022	,005	,150	,180	,034	,370	,034	,023	,001	,32					
193287	,073	,950	,220	,022	,023	,005	,130	,170	,032	,410	,034	,020	,001	,30					

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES		
		ReH MPa	Rm MPa	A% LO=8"
B11	B08	C11	C12	C13



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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11		C12		C13	
W-10x22	192385	405	403	536	520	22,7	22,5
W-10x49	192751	407	393	514	514	24,8	24,5
W-10x49	192752	410	392	516	500	28,5	27,4
W-12x40	192755	449	435	585	560	24,1	23,1
W-12x40	192757	418	416	537	519	23,8	23,2
W-14x22	193218	450	445	560	536	22,5	21,9
W-14x22	193237	451	402	551	558	23,5	21,8
W-14x30	193164	406	431	556	549	22,6	22,4
W-14x30	193207	438	424	550	526	22,7	22,4
W-14x30	193231	417	403	519	509	22,8	22,6
W-14x34	193160	399	395	499	497	24,5	23,9
W-14x34	193161	410	408	507	503	23,8	23,4
W-16x26	191951	447	449	547	543	25,2	24,5
W-16x26	192730	447	445	548	544	25,2	24,9
W-16x26	192731	449	447	554	552	25,	24,7
W-16x26	192733	446	451	565	541	25,9	25,2
W-18x60	193285	399	387	509	501	25,1	24,3
W-18x60	193286	400	388	512	490	25,9	25,1
W-18x60	193287	398	386	512	496	25,4	24,8
W-18x76	191644	407	395	537	535	26,1	25,3
W-18x76	191645	394	389	506	491	22,6	22,1
W-18x76	191646	406	390	523	509	26,2	25,9
W-18x76	191650	412	408	549	537	26,3	25,3
W-24x62	191967	436	414	507	517	31,4	32,5
W-24x68	191894	429	416	515	500	31,	30,
W-8x18	193216	427	421	539	537	22,5	22,1

**26 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