


ArcelorMittal Europe – Long Products

CARRETERA MADRID - IRUN, KM. 417
20212 OLABERRIA (Gipuzkoa)
TELEF. (943) 80.50.00 - FAX (943) 88.04.04


MILL TEST CERTIFICATE
OLA P-68599

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. 417 20212 OLABERRIA (Gipuzkoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			PASAJES, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	ERASMUSGRACHT
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	E-72103/1700029478	29524	24/06/2020

Materi al : "WF-PERFI LES 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 14x22	40´	3	9	27	3592	10.776	197213
WF BEAMS 14x22	40´	1	9	9	3592	3.592	197214
WF BEAMS 14x43	40´	3	5	15	3901	11.703	197007
WF BEAMS 14x43	40´	2	5	10	3901	7.802	197008
WF BEAMS 14x43	40´	1	5	5	3901	3.901	197009
WF BEAMS 14x48	40´	5	5	25	4354	21.770	197014
WF BEAMS 14x53	40´	2	5	10	4808	9.616	197036
WF BEAMS 14x53	40´	3	5	15	4808	14.424	197037
WF BEAMS 16x36	40´	2	6	12	3919	7.838	197032
WF BEAMS 16x36	40´	2	6	12	3919	7.838	197033
WF BEAMS 16x36	40´	1	6	6	3919	3.919	197034
WF BEAMS 18x35	40´	9	7	63	4446	40.014	197501
WF BEAMS 18x35	40´	1	7	7	4446	4.446	197502
WF BEAMS 18x40	40´	5	7	35	5081	25.405	197497
WF BEAMS 18x50	40´	2	5	10	4536	9.072	197044
WF BEAMS 18x50	40´	2	5	10	4536	9.072	197045
WF BEAMS 18x60	40´	2	4	8	4354	8.708	197033
WF BEAMS 18x60	40´	1	4	4	4354	4.354	197034
WF BEAMS 18x60	40´	2	4	8	4354	8.708	197035
WF BEAMS 18x76	40´	3	3	9	4137	12.411	196976



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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 18x76	40´	1	3	3	4137	4.137	196977
WF BEAMS 18x76	40´	2	3	6	4137	8.274	196978
WF BEAMS 18x76	40´	1	3	3	4137	4.137	196980
WF BEAMS 18x86	40´	1	3	3	4681	4.681	196008
WF BEAMS 18x86	40´	1	3	3	4681	4.681	196961
WF BEAMS 18x86	40´	1	1	1	1560	1.560	196954

TOTAL BUNDLES

59

TOTAL WEIGHT

252.839 Kg.

A02 EN 10204/3.1

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

(B01/B02/B03) A03
OLAP68599

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al	CEV
B08														
196008	,077	,950	,170	,020	,022	,005	,110	,180	,042	,380	,033	,022	,001	,30
196954	,062	,940	,210	,026	,024	,006	,120	,230	,061	,410	,035	,031	,003	,30
196961	,073	,930	,200	,017	,020	,006	,120	,150	,035	,310	,038	,024	,002	,29
196976	,110	,870	,180	,022	,020	,005	,140	,190	,048	,340	,041	,024	,004	,33
196977	,096	,890	,190	,020	,020	,005	,150	,190	,049	,310	,033	,024	,005	,32
196978	,096	,880	,180	,025	,020	,004	,190	,210	,044	,340	,033	,026	,003	,33
196980	,103	,860	,200	,028	,020	,005	,140	,220	,048	,370	,028	,024	,004	,32
197007	,081	,930	,190	,022	,021	,005	,150	,210	,053	,310	,031	,021	,004	,31
197008	,074	,920	,210	,021	,022	,005	,120	,190	,043	,310	,032	,024	,004	,29
197009	,081	,920	,180	,027	,020	,005	,130	,180	,048	,320	,033	,021	,003	,30
197014	,088	,820	,200	,026	,026	,006	,160	,180	,039	,380	,038	,019	,002	,30
197032	,091	,910	,200	,015	,025	,004	,100	,240	,053	,370	,031	,028	,005	,31
197033	,076	,890	,180	,019	,027	,004	,120	,250	,051	,370	,032	,027	,003	,30
197034	,078	,860	,180	,019	,024	,005	,140	,240	,048	,370	,031	,027	,004	,30
197035	,083	,910	,200	,020	,023	,005	,150	,220	,046	,370	,036	,026	,004	,31
197036	,067	1,000	,200	,018	,027	,005	,150	,200	,054	,340	,042	,024	,005	,31
197037	,071	,950	,210	,018	,026	,005	,140	,190	,043	,350	,038	,026	,004	,30
197044	,091	,900	,210	,019	,022	,004	,150	,210	,053	,400	,029	,025	,004	,32
197045	,080	,910	,180	,017	,021	,004	,140	,190	,046	,370	,031	,024	,002	,31
197213	,074	1,050	,200	,016	,022	,004	,160	,160	,039	,290	,033	,029	,004	,32
197214	,094	,960	,180	,018	,019	,004	,170	,210	,046	,290	,031	,030	,003	,33
197497	,091	,880	,220	,021	,027	,005	,140	,220	,040	,490	,035	,019	,004	,32
197501	,084	,910	,190	,020	,023	,005	,090	,140	,027	,440	,037	,024	,003	,30
197502	,091	,950	,170	,022	,024	,006	,120	,180	,036	,430	,038	,024	,003	,32

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-14x22	197213	421	415	545	529	22,4	22,4
W-14x22	197214	440	428	552	538	22,7	22,1
W-14x43	197007	409	399	524	502	24,1	23,4
W-14x43	197008	395	383	507	489	23,4	23,1
W-14x43	197009	400	392	524	505	23,5	23,
W-14x48	197014	401	395	513	506	23,4	23,

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		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11		C12		C13	
W-14x53	197036	374	369	497	484	23,8	23,6
W-14x53	197037	377	374	498	486	24,2	23,3
W-16x36	197032	435	423	548	530	23,8	23,3
W-16x36	197033	428	428	544	544	23,3	22,8
W-16x36	197034	414	414	526	504	23,	22,7
W-18x35	197501	416	407	514	505	23,2	23,1
W-18x35	197502	433	431	546	540	23,3	22,9
W-18x40	197497	421	419	534	526	23,6	22,8
W-18x50	197044	403	389	515	497	23,4	23,
W-18x50	197045	404	402	525	508	23,8	23,4
W-18x60	197033	395	394	506	492	24,2	24,
W-18x60	197034	399	395	507	503	24,4	23,6
W-18x60	197035	400	386	507	487	24,7	24,
W-18x76	196976	410	402	524	514	24,9	24,
W-18x76	196977	405	410	520	526	23,6	25,4
W-18x76	196978	403	391	526	515	24,5	24,2
W-18x76	196980	413	404	510	509	25,2	24,8
W-18x86	196008	403	401	520	502	24,7	23,9
W-18x86	196954	394	380	511	497	24,8	24,6
W-18x86	196961	388	400	520	518	25,5	24,1

24 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