

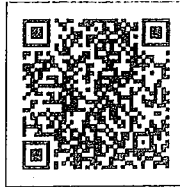
ArcelorMittal Gipuzkoa, S.L.U.

Long Carbon Europe

CARRETERA MADRID - IRUN, KM. 419

20212 OLABERRIA (Guipúzcoa)

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



MILL TEST CERTIFICATE

OLA P-34100

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. S. Francisco Chilpan, Tul MEXICO	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 419 20212 OLABERRIA (Guipúzcoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	AFRICABORG
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	01-E-42993 / 1700015690	14289	31/12/2012

Material: WF Vigas,

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

ARCELORMITTAL GIPUZKOA, 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 8x31	40'	7	8	56	4499	31.493	142249,142250,142263, 142264
WF BEAMS 8x35	40'	6	8	48	5081	30.486	142256,142257
WF BEAMS 10x26	40'	17	10	170	4717	80.189	142348,142349,142350
WF BEAMS 14x30	40'	18	8	144	4355	78.390	142338,142339,142340
WF BEAMS 16x26	40'	27	6	162	2830	76.410	142311,142314,142315, 142319
WF BEAMS 16x36	40'	31	5	155	3266	101.246	142303,142304
WF BEAMS 16x57	40'	6	5	30	5171	31.026	142307
WF BEAMS 18x50	40'	28	4	112	3629	101.612	142080,142081,142082
WF BEAMS 18x76	40'	19	3	57	4137	78.603	142057,142070,142071, 142072,142073,142074, 142080,142082,142083, 142084,142086,142087
WF BEAMS 18x86	40'	26	2	52	3121	81.146	142047,142048,142049, 142050,142051,142052, 142053
WF BEAMS 21x73	40'	6	4	24	5298	31.788	142206
WF BEAMS 21x83	40'	13	3	39	4518	58.734	142208,142209,142210
WF BEAMS 24x55	40'	12	5	60	4990	59.880	142087,142089,142115, 142116,142117
WF BEAMS 24x62	40'	13	4	52	4500	58.500	142128,142130,142131

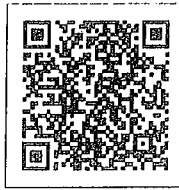
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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV				
142141	,105	1,020	,170	,020	,015	,035	,170	,140	,025	,500	,003	,036	,36				
142142	,110	1,080	,170	,024	,012	,040	,180	,130	,020	,530	,003	,035	,38				
142143	,125	1,090	,170	,025	,012	,036	,160	,120	,018	,560	,004	,039	,39				
142144	,121	1,070	,180	,023	,016	,044	,160	,120	,020	,500	,004	,044	,39				
142148	,119	,970	,190	,023	,018	,035	,140	,120	,026	,490	,003	,042	,36				
142206	,102	1,000	,180	,012	,008	,039	,130	,160	,080	,440	,003	,034	,36				
142208	,112	1,010	,170	,016	,009	,037	,110	,180	,047	,440	,003	,036	,36				
142209	,097	1,010	,180	,022	,010	,039	,130	,200	,048	,520	,003	,037	,36				
142210	,109	1,050	,190	,026	,011	,039	,160	,190	,042	,530	,003	,037	,38				
142249	,099	1,040	,190	,018	,008	,037	,130	,240	,041	,440	,003	,031	,36				
142250	,091	,980	,180	,014	,017	,036	,110	,230	,038	,430	,003	,041	,34				
142256	,092	1,030	,190	,028	,020	,041	,180	,230	,036	,430	,006	,037	,36				
142257	,087	,980	,180	,033	,014	,039	,170	,230	,038	,410	,003	,035	,34				
142263	,103	1,000	,180	,020	,013	,042	,160	,250	,044	,450	,003	,036	,37				
142264	,084	1,050	,200	,023	,014	,036	,170	,230	,038	,440	,003	,033	,35				
142303	,090	1,010	,200	,027	,016	,038	,180	,210	,046	,410	,003	,048	,35				
142304	,088	,980	,200	,023	,021	,027	,160	,210	,044	,410	,003	,042	,34				
142307	,077	1,080	,170	,018	,019	,043	,160	,230	,047	,390	,003	,033	,35				
142311	,085	1,000	,180	,015	,015	,035	,080	,160	,033	,290	,003	,022	,31				
142314	,083	1,030	,190	,021	,014	,036	,120	,190	,033	,390	,003	,034	,33				
142315	,097	1,030	,200	,029	,011	,036	,200	,180	,042	,470	,003	,045	,37				
142319	,096	1,020	,190	,016	,013	,037	,150	,200	,039	,380	,003	,037	,35				
142338	,066	1,080	,170	,014	,021	,041	,100	,190	,039	,360	,003	,020	,32				
142339	,070	1,060	,170	,015	,023	,037	,100	,230	,043	,360	,003	,026	,32				
142340	,081	,970	,190	,012	,013	,034	,080	,200	,037	,340	,003	,027	,31				
MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES															
		ReH MPa	Rm MPa	A% LO=8"													
W-14x30	142338	405	391	513	510	22,4	21,9										
W-14x30	142339	374	372	486	482	23,1	22,4										
W-14x30	142340	389	373	507	487	23,	22,3										
W-16x26	142311	405	400	525	518	23,3	22,8										
W-16x26	142314	410	400	511	507	24,1	24,										
W-16x26	142315	417	405	530	519	23,6	23,										
W-16x26	142319	423	417	534	516	22,5	22,2										
W-16x36	142303	410	399	535	525	22,5	21,9										
W-16x36	142304	379	377	509	495	23,2	22,4										
W-16x57	142307	395	387	502	493	24,8	23,9										
W-18x50	142080	417	399	547	539	23,2	22,8										
W-18x50	142081	388	382	503	493	26,	25,3										
W-18x50	142082	393	378	521	502	23,	22,4										
W-18x76	142057	420	416	544	534	22,4	21,8										
W-18x76	142070	396	396	557	547	24,3	23,7										
W-18x76	142071	404	398	533	513	24,7	23,8										
W-18x76	142072	399	397	563	547	24,	24,										
W-18x76	142073	407	398	562	561	24,2	23,8										
W-18x76	142074	387	373	511	509	23,9	23,5										

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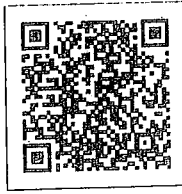


MILL TEST CERTIFICATE

OLA P-34100

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B08	C11		C12		C13	
W-18x76	142080	414	404	581	560	24,4	23,9
W-18x76	142082	415	409	590	566	24,1	23,9
W-18x76	142083	381	365	508	490	27,	26,5
W-18x76	142084	392	376	506	494	25,	24,2
W-18x76	142086	408	394	565	551	24,3	23,8
W-18x76	142087	397	389	523	509	23,	22,4
W-18x86	142047	402	394	531	529	25,3	24,7
W-18x86	142048	388	382	522	502	25,	24,3
W-18x86	142049	391	389	514	512	24,6	24,3
W-18x86	142050	392	387	509	503	22,8	22,3
W-18x86	142051	392	378	517	512	23,8	23,2
W-18x86	142052	399	385	527	509	22,9	22,5
W-18x86	142053	403	401	548	532	23,	22,2
W-21x73	142206	407	393	540	533	22,4	22,
W-21x83	142208	404	390	512	512	22,3	22,
W-21x83	142209	406	393	535	517	24,3	23,7
W-21x83	142210	405	398	552	532	27,6	26,6
W-24x55	142087	435	424	571	557	22,5	21,7
W-24x55	142089	413	409	541	537	23,9	23,7
W-24x55	142115	390	388	513	509	24,6	24,2
W-24x55	142116	396	384	517	510	23,6	23,2
W-24x55	142117	392	382	516	507	25,8	25,3
W-24x62	142128	396	382	527	517	23,	22,3
W-24x62	142130	383	383	514	496	22,7	22,
W-24x62	142131	380	374	498	486	22,8	22,3
W-24x68	142140	428	418	567	563	22,5	21,8
W-24x68	142142	406	411	541	548	22,4	22,5
W-24x68	142143	410	402	547	540	24,9	24,5
W-24x68	142144	436	429	575	552	22,8	22,5
W-24x68	142148	432	423	595	585	22,4	21,8
W-24x76	142129	395	385	539	523	22,8	22,1
W-24x76	142134	408	398	539	520	23,8	23,3
W-24x76	142137	407	395	520	500	22,6	22,2
W-24x76	142138	408	400	546	534	24,6	23,8
W-24x76	142141	391	386	517	503	25,1	24,9
W-24x84	142115	403	391	526	516	23,7	23,
W-24x84	142116	411	403	537	531	23,9	23,9
W-24x84	142117	429	418	569	558	22,2	22,
W-24x84	142118	392	386	522	504	25,8	25,5
W-24x84	142119	400	394	519	503	24,1	23,6
W-24x84	142120	395	387	510	499	25,9	25,4
W-24x94	142071	383	379	514	496	24,3	23,6
W-24x94	142072	398	389	531	509	26,3	26,3
W-24x94	142073	386	372	516	506	22,8	22,
W-8x31	142249	393	391	538	517	22,7	22,3
W-8x31	142250	393	383	560	549	22,7	22,2
W-8x31	142263	394	385	538	530	22,8	22,5
W-8x31	142264	415	401	561	540	22,5	21,8

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		ReH MPa		Rm MPa		A% LO=8"	
<small>B11</small>	<small>B08</small>	<small>C11</small>		<small>C12</small>		<small>C13</small>	
W-8x35	142256	388	384	513	502	22,4	22,
W-8x35	142257	375	365	496	494	22,6	22,5

Z01

60 análisis

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.
 B08: Marca AMO

Lorenzo Zabala