

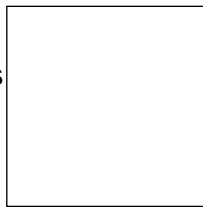
ArcelorMittal Gipuzkoa, S.L.U.

ArcelorMittal Europe – Long Products

CARRETERA MADRID - IRUN, KM. 419

20212 OLABERRIA (Guipúzcoa)

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

**MILL TEST CERTIFICATE****OLA P-53703**

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			PASAJES, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	KEFALONIA.
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
P1704510	01-E-58816 / 1700024572	25175	31/03/2017

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

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

ARCELORMITTAL GUIPUZKOA, 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 8x48	40´	2	6	12	5225	10.450	170887
WF BEAMS 8x48	40´	1	1	1	871	871	170887
WF BEAMS 10x39	40´	1	8	8	5661	5.661	167220
WF BEAMS 12x40	40´	1	6	6	4355	4.355	171206
WF BEAMS 16x31	40´	3	7	21	3937	11.811	171043
WF BEAMS 16x31	40´	1	7	7	3937	3.937	171044
WF BEAMS 16x36	40´	4	6	24	3919	15.676	171873
WF BEAMS 16x36	40´	2	6	12	3919	7.838	171876
WF BEAMS 16x40	40´	2	6	12	4355	8.710	171168
WF BEAMS 16x40	40´	6	6	36	4355	26.130	171898
WF BEAMS 16x40	40´	1	6	6	4355	4.355	171899
WF BEAMS 16x45	40´	4	5	20	4082	16.328	171895
WF BEAMS 16x50	40´	6	5	30	4536	27.216	171890
WF BEAMS 16x50	40´	4	5	20	4536	18.144	171891
WF BEAMS 16x50	40´	1	1	1	907	907	170436
WF BEAMS 16x50	40´	1	4	4	3629	3.629	171162
WF BEAMS 18x35	40´	4	7	28	4446	17.784	171810
WF BEAMS 18x46	40´	2	6	12	5008	10.016	171019

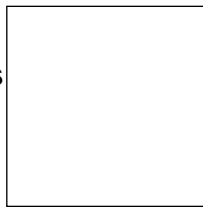
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SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 18x46	40´	5	6	30	5008	25.040	171775
WF BEAMS 18x46	40´	2	6	12	5008	10.016	171776
WF BEAMS 18x55	40´	1	5	5	4990	4.990	171769
WF BEAMS 18x55	40´	3	5	15	4990	14.970	171771
WF BEAMS 18x60	40´	2	4	8	4354	8.708	171753
WF BEAMS 18x60	40´	1	4	4	4354	4.354	171754

TOTAL BUNDLES

60

TOTAL WEIGHT

261.896 Kg.

A02 EN 10204/3.1

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

(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																			
167220	,080	,960	,210	,022	,020	,056	,140	,140	,022	,360	,003	,029	,002	,32					
170436	,072	,930	,200	,021	,018	,056	,160	,170	,055	,310	,008	,021	,002	,31					
170887	,056	,830	,180	,022	,025	,053	,130	,140	,024	,350	,003	,028	,003	,27					
171019	,064	,880	,190	,020	,023	,056	,140	,150	,029	,390	,003	,023	,003	,29					
171043	,095	,870	,180	,021	,020	,055	,160	,160	,034	,320	,003	,028	,003	,32					
171044	,072	,930	,190	,022	,021	,055	,160	,150	,033	,310	,003	,030	,002	,31					
171162	,063	,920	,220	,029	,022	,057	,180	,150	,042	,350	,003	,026	,003	,31					
171168	,081	,910	,190	,021	,024	,055	,170	,160	,041	,410	,003	,022	,003	,32					
171206	,065	,930	,190	,019	,020	,054	,100	,180	,038	,370	,003	,026	,004	,30					
171753	,073	,890	,170	,020	,023	,054	,130	,150	,035	,340	,003	,028	,004	,30					
171754	,068	,920	,170	,022	,025	,054	,150	,160	,034	,290	,003	,028	,003	,30					
171769	,061	,850	,190	,019	,020	,055	,100	,160	,033	,300	,003	,028	,005	,27					
171771	,071	,940	,180	,028	,023	,056	,120	,130	,025	,330	,003	,032	,004	,30					
171775	,060	,930	,190	,021	,022	,055	,130	,120	,027	,320	,003	,028	,003	,29					
171776	,053	,880	,170	,018	,022	,053	,110	,110	,031	,280	,003	,018	,002	,26					
171810	,059	,880	,170	,034	,022	,055	,300	,240	,046	,390	,003	,034	,002	,33					
171873	,064	,910	,200	,020	,019	,053	,120	,140	,039	,310	,003	,030	,005	,29					
171876	,082	,900	,160	,031	,023	,052	,130	,170	,043	,310	,003	,031	,001	,31					
171890	,087	,840	,210	,019	,024	,056	,120	,130	,028	,260	,003	,023	,003	,29					
171891	,121	,970	,190	,021	,017	,055	,140	,170	,029	,370	,003	,026	,003	,36					
171895	,068	,880	,150	,018	,022	,051	,140	,200	,036	,340	,003	,025	,002	,30					
171898	,081	,980	,180	,025	,022	,054	,170	,140	,035	,510	,003	,031	,004	,34					
171899	,069	,950	,180	,026	,021	,055	,150	,130	,036	,390	,003	,031	,004	,31					

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
B11	B08	C11		C12		C13	
W-10x39	167220	404	392	516	496	22,6	22,2
W-12x40	171206	414	405	518	503	23,2	22,8
W-16x31	171043	439	425	529	515	22,4	21,9
W-16x31	171044	422	418	522	508	22,3	21,9
W-16x36	171873	424	415	532	515	23,4	22,9
W-16x36	171876	445	427	561	541	23,7	23,2
W-16x40	171168	440	428	545	541	22,9	22,5

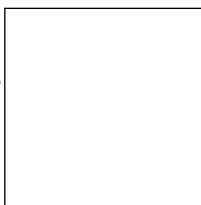
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MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11		C12		C13	
W-16x40	171898	422	417	539	519	23,2	23,
W-16x40	171899	404	393	511	506	23,5	22,9
W-16x45	171895	426	411	523	511	23,1	22,6
W-16x50	170436	403	399	507	503	22,9	22,9
W-16x50	171162	419	406	527	512	23,2	22,7
W-16x50	171890	387	375	504	500	23,4	22,6
W-16x50	171891	442	442	572	560	23,3	22,7
W-18x35	171810	428	413	539	526	22,4	22,2
W-18x46	171019	415	405	515	503	27,5	27,2
W-18x46	171775	396	385	495	487	23,2	22,4
W-18x46	171776	389	383	501	481	22,9	22,3
W-18x55	171769	420	414	524	508	23,7	23,
W-18x55	171771	414	414	524	506	23,3	23,1
W-18x60	171753	403	396	496	490	23,7	23,3
W-18x60	171754	420	427	522	548	22,4	23,9
W-8x48	170887	394	394	500	486	23,4	22,5

23 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