



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-68575

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
P1701577	E-72104/1700029477	29523	24/06/2020

Materi al : "WFB-PERFILES DE ACERO AL CARBONO LAMINADO EN CALI ENTE"

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 10x15	40´	1	16	16	4354	4.354	196275
WF BEAMS 14x22	40´	6	9	54	3592	21.552	197213
WF BEAMS 14x22	40´	2	9	18	3592	7.184	197214
WF BEAMS 14x43	40´	1	5	5	3901	3.901	197007
WF BEAMS 14x43	40´	1	5	5	3901	3.901	197008
WF BEAMS 14x43	40´	6	5	30	3901	23.406	197009
WF BEAMS 14x48	40´	7	5	35	4354	30.478	197014
WF BEAMS 14x48	40´	1	5	5	4354	4.354	197042
WF BEAMS 16x36	40´	4	6	24	3919	15.676	197031
WF BEAMS 16x36	40´	5	6	30	3919	19.595	197032
WF BEAMS 16x36	40´	1	6	6	3919	3.919	197035
WF BEAMS 16x40	40´	3	6	18	4355	13.065	197480
WF BEAMS 16x40	40´	1	6	6	4355	4.355	197481
WF BEAMS 16x40	40´	3	6	18	4355	13.065	197482
WF BEAMS 16x40	40´	1	6	6	4355	4.355	197483
WF BEAMS 16x45	40´	2	5	10	4082	8.164	195966
WF BEAMS 16x45	40´	3	5	15	4082	12.246	195967
WF BEAMS 16x50	40´	2	5	10	4536	9.072	197004



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-68575

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
WF BEAMS 16x50	40´	17	5	85	4536	77.112	197005
WF BEAMS 18x35	40´	4	7	28	4446	17.784	197501
WF BEAMS 18x40	40´	3	7	21	5081	15.243	196959
WF BEAMS 18x40	40´	1	7	7	5081	5.081	196961
WF BEAMS 18x40	40´	1	7	7	5081	5.081	196967
WF BEAMS 18x40	40´	2	7	14	5081	10.162	197062
WF BEAMS 18x50	40´	5	5	25	4536	22.680	197044
WF BEAMS 18x50	40´	5	5	25	4536	22.680	197045
WF BEAMS 18x50	40´	3	5	15	4536	13.608	197046
WF BEAMS 18x60	40´	4	4	16	4354	17.416	197032
WF BEAMS 18x71	40´	5	4	20	5153	25.765	197603
WF BEAMS 14x74	40´	8	3	24	4028	32.224	196933
WF BEAMS 18x76	40´	1	3	3	4137	4.137	196979
WF BEAMS 18x76	40´	1	3	3	4137	4.137	196980
WF BEAMS 24x62	40´	1	2	2	2250	2.250	196833

TOTAL BUNDLES 111

TOTAL WEIGHT 478.002 Kg.

A02 EN 10204/3.1

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

(B01/B02/B03) A03
OLAP68575



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-68575

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)														CEV				
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	Al						
<i>B08</i>																			
195966	,076	,950	,250	,022	,029	,004	,110	,170	,039	,450	,033	,023	,003	,31					
195967	,107	,960	,220	,022	,022	,004	,090	,180	,040	,410	,031	,022	,003	,33					
196275	,097	,970	,190	,022	,019	,004	,140	,190	,033	,360	,031	,022	,004	,33					
196833	,073	,940	,210	,031	,021	,005	,160	,210	,066	,370	,036	,033	,002	,31					
196933	,072	,980	,210	,018	,025	,008	,140	,200	,053	,320	,037	,024	,003	,31					
196959	,066	,930	,230	,020	,023	,005	,150	,220	,049	,360	,036	,023	,002	,30					
196961	,073	,930	,200	,017	,020	,006	,120	,150	,035	,310	,038	,024	,002	,29					
196967	,071	,900	,180	,021	,020	,005	,090	,180	,037	,340	,033	,029	,002	,28					
196979	,089	,910	,200	,031	,020	,005	,160	,230	,049	,330	,034	,026	,004	,32					
196980	,103	,860	,200	,028	,020	,005	,140	,220	,048	,370	,028	,024	,004	,32					
197004	,079	,900	,190	,022	,019	,005	,150	,180	,050	,320	,032	,024	,004	,30					
197005	,072	,910	,190	,024	,019	,005	,120	,190	,050	,310	,031	,022	,004	,29					
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					
197031	,080	,920	,220	,015	,025	,005	,150	,270	,058	,380	,034	,028	,004	,32					
197032	,091	,910	,200	,015	,025	,004	,100	,240	,053	,370	,031	,028	,005	,31					
197035	,083	,910	,200	,020	,023	,005	,150	,220	,046	,370	,036	,026	,004	,31					
197042	,104	,930	,220	,018	,022	,006	,150	,250	,053	,350	,035	,026	,004	,34					
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					
197046	,087	,920	,200	,019	,024	,004	,140	,190	,045	,360	,032	,025	,003	,31					
197062	,086	,940	,210	,020	,027	,006	,120	,160	,033	,330	,035	,029	,004	,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					
197480	,124	,940	,220	,019	,023	,005	,160	,170	,039	,460	,032	,020	,001	,36					
197481	,095	,970	,230	,024	,023	,007	,220	,170	,045	,440	,035	,022	,004	,35					
197482	,081	,970	,210	,024	,023	,007	,230	,180	,041	,400	,034	,024	,004	,34					
197483	,087	1,010	,200	,023	,023	,006	,200	,170	,033	,410	,036	,026	,003	,34					
197501	,084	,910	,190	,020	,023	,005	,090	,140	,027	,440	,037	,024	,003	,30					
197603	,075	,920	,190	,028	,025	,005	,120	,150	,025	,450	,034	,026	,003	,30					

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=8"	
<i>B11</i>	<i>B08</i>	<i>C11</i>		<i>C12</i>		<i>C13</i>	
W-10x15	196275	434	418	537	517	22,8	22,7
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,
W-14x48	197042	372	360	488	475	23,2	22,8
W-14x74	196933	387	378	498	489	25,4	24,8
W-16x36	197031	441	431	544	528	23,7	23,2
W-16x36	197032	435	423	548	530	23,8	23,3
W-16x36	197035	428	420	535	522	23,	22,2



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-68575

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
B11	B06	C11		C12		C13	
W-16x40	197480	422	406	548	534	23,5	23,1
W-16x40	197481	421	415	548	538	23,4	23,2
W-16x40	197482	421	408	538	525	23,3	22,8
W-16x40	197483	410	393	512	512	23,4	22,6
W-16x45	195966	403	401	516	504	25,8	25,3
W-16x45	195967	399	391	509	507	24,7	24,3
W-16x50	197004	379	380	506	498	24,5	24,5
W-16x50	197005	393	378	500	497	25,5	24,7
W-18x35	197501	416	407	514	505	23,2	23,1
W-18x40	196959	409	398	520	507	23,7	23,1
W-18x40	196961	404	394	506	504	25,2	24,6
W-18x40	196967	387	377	497	486	25,4	25,1
W-18x40	197062	381	411	511	509	23,1	22,7
W-18x50	197044	403	389	515	497	23,4	23,
W-18x50	197045	404	402	525	508	23,8	23,4
W-18x50	197046	388	387	511	495	23,7	23,3
W-18x60	197032	403	399	507	501	23,9	23,5
W-18x71	197603	387	379	486	476	25,2	24,8
W-18x76	196979	384	396	517	482	24,9	25,1
W-18x76	196980	413	404	510	509	25,2	24,8
W-24x62	196833	425	421	540	524	24,3	23,6

32 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