

ArcelorMittal Madrid, S.L.

Long Carbon Europe

CARRETERA TOLEDO, N-401 - KM. 9,200
28021 VILLAVERDE (Madrid)
TELEF. (91) 797.23.00 - FAX (91) 795.31.81**MILL TEST CERTIFICATE****MAD P-13272**

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 MADRID, S.L. CARRETERA TOLEDO, N-401 - KM. 9,200 28021 VILLAVERDE (Madrid) TELEF. (91) 797.23.00 - TELEX 22120 - 49632 ARIS			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	JAN VAN GENT
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mcabello	05-E-18665 / 1700013191	10996	25/09/2011

Material: WF Vi gas,

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

ARCELORMITTAL MADRID, S. L. ES/28/0047/03

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 18x76	40'	18	4	72	5516	99.288	85469,85470
WF BEAMS 18x86	40'	17	3	51	4681	79.577	85472,85473
WF BEAMS 18x97	40'	8	3	24	5280	42.240	85474,85475
WF BEAMS 18x119	40'	14	2	28	4318	60.452	85466,85467
WF BEAMS 24x76	40'	3	4	12	5516	16.548	85299,85300,85301,85305

TOTAL BUNDLES

60

TOTAL WEIGHT

298.105 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	CEV	
<small>B08</small>														
85299	,086	,889	,172	,014	,022	,003	,085	,094	,017	,411	,019	,034	,29	
85300	,085	,837	,169	,014	,016	,002	,087	,108	,018	,409	,016	,040	,28	
85301	,093	,829	,174	,014	,015	,003	,094	,099	,017	,404	,017	,035	,29	
85305	,092	,764	,167	,014	,014	,002	,097	,106	,019	,395	,018	,026	,28	
85466	,083	,822	,204	,014	,016	,003	,087	,103	,018	,425	,019	,035	,28	
85467	,088	,836	,204	,012	,015	,003	,096	,096	,017	,399	,016	,030	,28	
85469	,093	,846	,184	,015	,017	,003	,093	,097	,016	,423	,018	,035	,29	
85470	,088	,894	,167	,014	,028	,003	,097	,096	,015	,419	,018	,033	,29	
85472	,088	,828	,176	,012	,025	,003	,077	,090	,014	,379	,016	,034	,28	
85473	,081	,843	,165	,011	,016	,003	,096	,092	,014	,385	,016	,028	,28	

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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV				
<small>B06</small>																	
85474	,089	,883	,187	,011	,020	,003	,100	,094	,014	,396	,019	,028	,29				
85475	,098	,768	,166	,013	,017	,002	,098	,097	,015	,410	,020	,030	,28				

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% L0=8"	
<small>B11</small>	<small>B06</small>	<small>C11</small>		<small>C12</small>		<small>C13</small>	
W-18x119	85466	367	369	482	486	22,1	22,9
W-18x119	85467	365	368	480	482	22,	23,3
W-18x76	85469	398	399	488	492	21,7	22,9
W-18x76	85470	378	379	480	481	21,5	22,4
W-18x86	85472	348	349	467	469	24,	24,1
W-18x86	85473	354	359	469	470	22,8	23,6
W-18x97	85474	360	366	479	483	24,7	25,7
W-18x97	85475	373	376	474	477	26,	27,1
W-24x76	85299	382	382	483	485	24,1	24,8
W-24x76	85300	383	390	479	484	25,9	26,9
W-24x76	85301	387	390	482	487	23,9	25,4
W-24x76	85305	406	412	494	499	23,6	25,

12 análisis

Z01

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

B06: Marca AMM

Juan Pablo Canullo