

Agent:

Arcelor Sections Commercial S.A.
66, rue de Luxembourg
L-4221 ESCH-SUR-ALZETTE

Mill:

ProfilArbed Differdange



ARCELOR SECTIONS COMMERCIAL S.A.
Arcelor Group

66, rue de Luxembourg, L-4221 Esch-sur-Alzette
P.C. Luxembourg Section B 36.177

Certificate Nr X 743497

Delivery note number 743497 from 1 July 2005

Our reference : 1700003653
Your reference : 0206005
02.06.2005
Consignee : Ferre Barniedo, S.A. de C.V.

Arcelor International America, LLC
Mill business, Long Products
350 Hudson Street
NEW YORK NY 10014
USA

28579

ASTM A 572/01 GRADE 50

Manufacturer's test certificate acc. to ASTM A 6 - PAR. 18.

Ord.item	Product	Length	Weight	Heat nr	Weight	Bund.	Bars
000002	W 14 X 14,5 X 99	40'	199,516 mt				
	W 360 X 370 X 147	12.192 mm		3785	26,708 mt	15	
				3786	87,332 mt	49	
				3787	42,729 mt	24	
				13787	42,747 mt	24	
000005	W 14 X 14,5 X 132	40'	73,942 mt				
	W 360 X 370 X 196	12.192 mm		3560	16,696 mt	7	
				3561	28,668 mt	12	
				13559	28,578 mt	12	

Heat nr	Heat analysis (%)							
	C	Mn	P	S	Si	V	Nb	Mn/C
	Min 0,10 0,010							
	Max 0,23 1,50 0,040 0,050 0,40 0,150							
3560	0,16	1,24	0,022	0,027	0,18		0,009	7,70
3561	0,16	1,27	0,026	0,021	0,17		0,010	8,01
3785	0,16	1,04	0,015	0,026	0,18	0,013	0,001	6,69
3786	0,16	1,04	0,015	0,015	0,18	0,012	0,001	6,50
3787	0,08	1,41	0,016	0,025	0,18	0,054	0,001	17,85
13559	0,17	1,29	0,026	0,022	0,19		0,008	7,65
13787	0,16	1,04	0,015	0,015	0,18	0,012	0,001	6,50

FERRE BARNIEDO, S.A. DE C.V.

ESTE CERTIFICADO ES COPIA FIEL

DEL ORIGINAL DE NUESTROS ARCHIVOS,

AMPARA LA REMISION No.

Bettendorff Julien

Porteur de signature speciale

TEL. 58-36-10-00

ventas@ferrebarniedo.com.mx

Sales Agent:

Arcelor Sections Commercial S.A.
66, rue de Luxembourg
L-4221 ESCH-SUR-ALZETTE



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Heat nr

Tensile test

PSI PSI 200 mm
Ys UTS El. (%)

Min 50.000 65.000 18,00
Max

3561	55.970	80.185	22,02
3561	55.535	81.780	21,94
3785	55.390	76.125	24,94
3785	55.680	76.125	25,32
3786	55.100	76.560	26,26
3786	55.970	76.705	25,00
3787	59.450	73.370	25,25
3787	58.290	71.920	25,00
13559	55.100	83.955	19,98
13559	53.940	82.215	20,00
13787	57.275	75.255	26,73
13787	56.115	78.805	26,00

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Porteur de signature spéciale