

Sales Agent:
 ArcelorMittal Int. North America
 1 South Dearborn, 13th floor
 CHICAGO IL 60603
 USA

Plant:
 ArcelorMittal Belval & Differdange
 Site de Differdange
 L-4503 Differdange

ArcelorMittal Belval & Differdange
 Service Gestion Qualité
 66, rue de Luxembourg
 L-4009 Esch/Alzette

Certificate Nr X 2479607
 Delivery note number 2479607 from 25 February 2013

Our reference : **A700015956**
 Your reference : **A600013**
 09/01/2013
 Ferre Barniedo, S.A. de C.V.

Ferre Barniedo, S.A. de C.V.
 Av. Revolucion #81
 Edo. de Mexico
 55000 SAN CRISTOBAL ECATEPEC, C.P.
 MEXIQUE

ASTM A992 - ASTM A572 GR50 FINE GRAIN SILICON KILLED

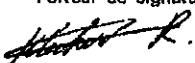
Manufacturer's test certificate acc. to ASTM A 6

49229

Ord. item	Product	Length	Weight	Heat nr	Weight	Bund.	Bars
000020	W 24 X 12,75 X 162	40'	8,814 mt	61318	2,938 mt		1
		12.192 mm		61319	5,876 mt		2
000021	W 24 X 12,75 X 176	40'	38,328 mt	61317	19,164 mt		6
		12.192 mm		61318	19,164 mt		6

Heat nr	Heat analysis (%)													
	C	Mn	P	S	Si	N	Ca	Ni	Cr	Mo	Nb	Al	Sn	Pb+V
Min		0,50			0,10									
Max	0,23	1,60	0,035	0,045	0,40		0,60	0,15	0,150	0,050	0,150	0,45	0,150	
61317	0,06	1,09	0,026	0,030	0,17	0,010	0,28	0,14	0,012	0,008	0,040	0,30	0,02	
61318	0,07	1,09	0,025	0,028	0,21	0,012	0,26	0,15	0,11	0,002	0,040	0,31	0,02	
61319	0,06	1,08	0,018	0,030	0,17	0,010	0,28	0,14	0,08	0,001	0,030	0,29	0,02	

Heat nr	Tensile test			
	PSI	PSI 200 mm		
	Ys	UTS	El. (%)	Y/U
Min	50.000	65.000	18,00	
Max	65.000			0,85
61317	59.595	72.935	24,37	0,82
61317	60.175	73.660	24,62	0,82
61318	60.175	74.240	24,10	0,81
61318	61.335	75.690	24,58	0,81
61318	60.755	74.965	24,34	0,81
61318	60.755	74.965	24,34	0,81
61319	58.725	72.500	24,88	0,81
61319	58.145	71.775	24,63	0,81

Klecker Roberto
 Porteur de signature spéciale


AMPARO ORIGINAL DE FERRE BARNIEDO, S.A. DE C.V.
 LA REMISION DE NUESTROS COPIA DE C.V.
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