

AIR LIQUIDE WELDING FRANCE

25 Boulevard de la Paix
CS 30003 CERGY SAINT CHRISTOPHE
95895 CERGY PONTOISE CEDEX
FRANCE

Phone: +33 1 342 13 333
Fax : +33 1 342 13 130
Internet : www.airliquidewelding.com

SAF-FRO

Page 1 of 1

Product Certificate

Customer:	Certificate No.:	Order No.:	Delivery Note:
SIA AUTO STARS TIRDZNIECIBA O.VACIESA, 61 RIGA LATVIA	2000070990080654		
	Date:	Quantity	UM
	25/11/16	Quantity: 4.020,00	KG Kilogramme
Trade Name:	BLUCORD 4.00X0350XCBOX		Batch No.:
			371646502
Classification:	EN ISO 2560-A E 42 0 R 12 AWS A 5.1 E 6013		

We confirm following properties for the welding filler metals delivered by us.

Chemical Analysis:

Certificate Type EN 10 204-2.2 WELD METAL

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	V
0.077	0.534	0.378	0.022	0.009	0.035	0.070	0.008	0.008	0.015
Cu									
0.127									

Mechanical Properties:

Certificate Type EN 10 204-2.2 WELD METAL

Tensile Test according to EN ISO 6892-1					Impact Strength Test according to EN ISO 148-1		
Test Temp.	Yield Strength	Tensile Strength	Elongation	Z	Test Temp.	Impact Strength	heat Treatment
°C	Rp0,2 N/mm²	N/mm²	%	%	°C	Joule (Charpy-V)	
+20	482	540	25		0	73	As Welded

25.11.2016

Your Contact Person :
Batrinu Razvan
General Manager
Ductil SA - Romania, Moldavia, Bulgaria,
Serbia, Albania, Macedonia,
Bosnia & Herzegovina
Tel. + 40 238 711 001
Fax.+ 40 238 710 087
e-mail: razvan.batrinu@airliquide.com

Bogdan Serban
QA Manager – Buzau Plant

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SIA AUTO STARS TIRDZNIECIBA O.VACIESA, 61 RIGA LATVIA	2000070990080653		
	Date:	Quantity	UM
	25/11/16	Quantity: 14.693,10	KG Kilogramme
Trade Name:	BLUCORD 3.20X0350XCBOX	Batch No.:	
Classification:	EN ISO 2560-A E 42 0 R 12 AWS A 5.1 E 6013	371643113	

We confirm following properties for the welding filler metals delivered by us.

Chemical Analysis:

Certificate Type EN 10 204-2.2 WELD METAL

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	V
0.077	0.534	0.378	0.022	0.009	0.035	0.070	0.008	0.008	0.015
Cu									
0.127									

Mechanical Properties:

Certificate Type EN 10 204-2.2 WELD METAL

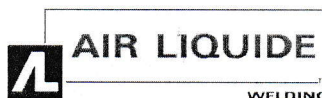
Tensile Test according to EN ISO 6892-1					Impact Strength Test according to EN ISO 148-1		
Test Temp.	Yield Strength	Tensile Strength	Elongation	Z	Test Temp.	Impact Strength	heat Treatment
°C	Rp0.2 N/mm²	N/mm²	%	%	°C	Joule (Charpy-V)	
+20	482	540	25		0	73	As Welded

25.11.2016

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Product Certificate

Customer:	Certificate No.:	Order No.:	Delivery Note:
SIA AUTO STARS TIRDZNIECIBA O.VACIESA, 61 RIGA LATVIA	2000070990080651		
	Date:	Quantity	UM
	25/11/16	Quantity: 1.185,60	KG Kilogramme
Trade Name:	BLUCORD 2.50X0300XCBOX	Batch No.:	
Classification:	EN ISO 2560-A E 42 0 R 12 AWS A 5.1 E 6013		371646102

We confirm following properties for the welding filler metals delivered by us.

Chemical Analysis:

Certificate Type EN 10 204-2.2 WELD METAL

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	V
0.077	0.534	0.378	0.022	0.009	0.035	0.070	0.008	0.008	0.015
Cu									
0.127									

Mechanical Properties:

Certificate Type EN 10 204-2.2 WELD METAL

Tensile Test according to EN ISO 6892-1					Impact Strength Test according to EN ISO 148-1		
Test Temp.	Yield Strength	Tensile Strength	Elongation	Z	Test Temp.	Impact Strength	heat Treatment
°C	Rp0.2 N/mm ²	N/mm ²	%	%	°C	Joule (Charpy-V)	
+20	482	540	25		0	73	As Welded

25.11.2016

Your Contact Person :

Batrinu Razvan

General Manager

Ductil SA - Romania, Moldavia, Bulgaria,

Serbia, Albania, Macedonia,

Bosnia & Herzegovina

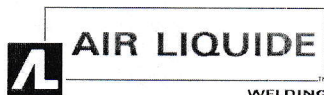
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Fax.+ 40 238 710 087

e-mail: razvan.batrinu@airliquide.com

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QA Manager – Buzau Plant

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Product Certificate

Customer:	Certificate No.:	Order No.:	Delivery Note:
SIA AUTO STARS TIRDZNIECIBA O.VACIESA, 61 RIGA LATVIA	2000070990080652		
	Date:	Quantity	UM
	25/11/16	Quantity: 570,00	KG Kilogramme
Trade Name:	BLUCORD 2.50X0300XCBOX		Batch No.:
			371643102
Classification:	EN ISO 2560-A E 42 0 R 12 AWS A 5.1 E 6013		

We confirm following properties for the welding filler metals delivered by us.

Chemical Analysis:

Certificate Type EN 10 204-2.2 WELD METAL

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	V
0.077	0.534	0.378	0.022	0.009	0.035	0.070	0.008	0.008	0.015
Cu									
0.127									

Mechanical Properties:

Certificate Type EN 10 204-2.2 WELD METAL

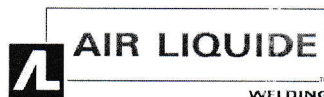
Tensile Test according to EN ISO 6892-1					Impact Strength Test according to EN ISO 148-1		
Test Temp.	Yield Strength	Tensile Strength	Elongation	Z	Test Temp.	Impact Strength	heat Treatment
°C	Rp0.2 N/mm²	N/mm²	%	%	°C	Joule (Charpy-V)	
+20	482	540	25		0	73	As Welded

25.11.2016

Your Contact Person :
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e-mail: razvan.batrinu@airliquide.com

Bogdan Serban
QA Manager – Buzau Plant

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Product Certificate

Customer:	Certificate No.:	Order No.:	Delivery Note:
Fro-Air Liquide Welding Italia S.p.A. Località Casalmenini n. 3 37010 Rivoli Veronese VR Italia	2000070990054122		
Trade Name:	Date:	Quantity Quantity:	UM
BLUCORD 2.00X0300XCBOH	12/12/14	2.633,40	KG Kilogramme
Classification:	EN ISO 2560-A : E 42 0 R 12 AWS A5.1 E6013	Batch No.:	371450106

We confirm following properties for the welding filler metals delivered by us.

Chemical Analysis:

Certificate Type EN 10 204-2.2 WELD METAL

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	V
0.076	0.499	0.251	0.017	0.011	0.039	0.025	0.012	0.007	0.014
Cu									
0.048									

Mechanical Properties:

Certificate Type EN 10 204-2.2 WELD METAL

Tensile Test according to EN ISO 6892-1					Impact Strength Test according to EN ISO 148-1		
Test Temp.	Yield Strength	Tensile Strength	Elongation	Z	Test Temp.	Impact Strength	heat Treatment
°C	ReH N/mm ²	N/mm ²	%	%	°C	Joule (Charpy-V)	
+20	450	510	26		0	53	As Welded

12.12.2014

Your Contact Person :

Batrinu Razvan

General Manager

Ductil SA - Romania, Moldavia, Bulgaria,

Serbia, Albania, Macedonia,

Bosnia & Herzegovina

Tel. + 40 238 711 001

Fax.+ 40 238 710 087

e-mail: razvan.batrinu@airliquide.com

Marian Domnescu
QA Manager – Buzau Plant

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