SWP
Specialised Welding Products Ltd

CERTIFICATE

TUV NORD ISO 9001

EN 10204

	2.2	3.1
CHEMICAL		X
MECHANICAL	X	

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Purchaser	**SPECIALSED WELDING PRODUCTS LTD ENGLAND**
Order Nr	08/SWP/400-2011
Product Group	Covered electrode - cast iron
Brand Name	**ELNIKEL (SUPER6-NI-C) / 1 KG, PLASTIC BOX**
Standard	AWS A5.15:90 TS 9463 EN ISO 1071:05
Classification	E Ni-CI E C Ni-CI 1
Size	**2,50x300 mm**
Quantity	15 Kg
Serial Nr	**2174**
Charge Nr	174

Chemical Composition of Weld Metal (%)

Charge Nr	C	Si	Mn	P	S	Ni	Cu	V	Al	Fe	-	-	-	-	-	-	-
AWS	*<2,0*	*<4,0*	*<2,5*	*-*	*<0,03*	*>85,0*	*<2,5*	*-*	*<1,0*	*<8,0*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
TS/EN/ISO	*<2,0*	*<4,0*	*<2,5*	*-*	*<0,03*	*>85,0*	*<2,5*	*-*	*<1,0*	*<8,0*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
174	0,930	0,384	0,218	0,002	0,001	97,818	0,001	0,001	0,001	1,941	-	-	-	-	-	-	-

Mechanical Properties

Tensile Test - EN 10002-1
Specimen preparation - EN 876

Impact Test - EN 10045-1
Specimen preparation - EN 875 VWT 0/b

	Test Temperature	R_p Yield Strength	R_m Tensile Strength	A Elong.	Test Temperature	KV Impact Strength	KV Average	Hardness	Radiographic test	Comment
	°C	N / mm²	N / mm²	$\%L_o=5d_o$	°C	J	J	HB	-	
AWS	*20*	-	-	-	-	-	-	*135-218*	-	
TS/EN/ISO	*20*	-	-	-	-	-	-	-	-	
	20	-	-	-	-	-	-	~170	-	

Quality Department

F186/00