



CERTIFICATE



EN 10204



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Purchaser	SPECIALISED WELDING PRODUCTS LTD UNITED KINGDOM
Order Nr	901
Product Group	GMAW/GTAW Wire Non & Low alloyed
Brand Name	WELDING WIRE SG2 AWS A5.18ER 70S-6, D300 PLASTIC SPOOL
Standard	AWS A5.18.05 TS: EN ISO 14341-A.09
Classification	ER 70 S-6 G3Si1
Size	0.80 mm
Quantity	20448 Kg
Serial Nr	128539450
Charge Nr	535

Chemical Composition of Welding Wire (%)													
Charge Nr	C	Si	Mn	P	S	Cr	Ni	Mo	Cu*	V	Al	Ti+Zr	
AWS	0.06-0.15	0.00-1.15	1.00-1.85	0.025	<0.025	<0.15	<0.15	<0.15	<0.50	<0.03			
TS:EN ISO	0.06-0.14	0.00-1.00	1.00-1.60	<0.025	<0.025	<0.15	<0.15	<0.15	<0.25	<0.03	<0.02	<0.15	
535	0.061	0.852	1.554	0.009	0.010	0.030	0.047	0.014	0.085	0.004	0.007	0.010	

*Including the copper coating

Mechanical Properties									
Tensile Test					Impact Test				
- EN 10002-1					- EN 10045-1				
Specimen preparation					Specimen preparation				
- EN 875					- EN 875 VWT 9/b				
Test	$R_{p0.2}$	R_m	A		Test	KV	KV		
Temperature	Yield Strength	Tensile Strength	Elong		Temperature	Impact Strength	Average Hardness	Radiographic test	Comment
°C	N/mm ²	N/mm ²	%L _{50k}		°C	J	J		
AWS	≥420	≥480	≥27		-30	-	≥27		
TS:EN ISO	≥420	500-640	≥28		30	-	≥47		
	min 420	500-640	min 22		-30	-	min 47		

Quality Department