

EN 10204

CHEMICAL 22 31
MECHANICAL

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Purchaser	SPECIALISED WELDING PRODUCTS LTD. UNITED KINGDOM		
Order Nr	11750		
Product Group	GMAW/GTAW Wire - Non & Low alloyed		
Brand Name	WELDING WIRE SG2 AWS A5.18 ER 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	10.224,00	Kg	
Serial Nr	128571021		
Charge Nr	571-10		

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	0,80 - 1,15	1,40 - 1,85	<0,025	<0,035	<0,15	<0,15	<0,15	<0,50	<0,03	-	-	-	-	-	-
TS/EN ISO	0,06 - 0,14	0,70 - 1,00	1,30 - 1,80	<0,025	<0,025	<0,15	<0,15	<0,15	<0,35	<0,03	<0,02	<0,15	-	-	-	-
571-10	0,081	0,879	1,476	0,008	0,009	0,043	0,052	0,013	0,119	0,001	0,003	0,004	-	-	-	-

*Including the copper coating

Mechanical Properties									
Tensile Test					Impact Test				
- EN 10002-1					- EN 10045-1				
Specimen preparation					Specimen preparation				
- EN 876					- EN 875 VWT 0/b				
Test	Temperature	R _p	R _m	A	Test	KV	KV		
	°C	N / mm ²	N / mm ²	%L _{5d₀}	Temperature	Impact Strength	Average Hardness	Radiographic test	Comment
	°C				°C	J	J	-	-
AWS	20	>400	>480	>22	-30	-	>27	-	-
TS/EN ISO	20	>420	500 - 640	>20	-30	-	>47	-	-
	20	min. 420	500 - 640	min. 22	-30	-	min. 47	-	-



Quality Department