

EN 10204

CHEMICAL 2.2 3.1
MECHANICAL

Number	L - 4865	Date:	13.04.2011
Page	1/1		

Purchaser	SPECIALISED WELDING PRODUCTS LTD UNITED KINGDOM		
Order Nr			
Product Group	GMAW/GTAW Wire - Heat resistant		
Brand Name	SG CrMo1 (ER 80 SG/G- MIG A32) / D-300, PLW, 15 KG NET		
Standard	AWS A5.28:05	TS EN ISO 21952-A:08	
Classification	ER 80 S-B2	G/W CrMoSi	
Size	1,20 mm		
Quantity	180	Kg	
Serial Nr	422707141		
Charge Nr	707		

Chemical Composition of Welding Wire (%)																	
Charge Nr Şarj No	C	Si	Mn	P	S	Cr	Ni	Mo	Cu*	V	Nb	-	-	-	-	-	-
AWS	0,07 - 0,12	0,40 - 0,70	0,40 - 0,70	<0,025	<0,025	1,20 - 1,50	<0,20	0,40 - 0,65	<0,35	-	-	-	-	-	-	-	-
TS/EN/ISO	0,06 - 0,14	0,50 - 0,80	0,60 - 1,20	<0,020	<0,020	0,90 - 1,30	<0,20	0,40 - 0,65	<0,30	<0,03	<0,01	-	-	-	-	-	-
707	0,088	0,525	0,555	0,007	0,012	1,250	0,129	0,496	0,117	0,010	-	-	-	-	-	-	-

*)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 Yield Strength	R _m Tensile Strength	A Elong.	Test Temperature	KV Impact Strength	KV Average	Hardness	Radiographic test	Comment	
°C	N / mm ²	N / mm ²	%L ₅₀	°C	J	J	-	-		
AWS	20	>470	>550	>19	-	-	-	-		
TS/EN/ISO	20	>355	>510	>20	20	-	>47	-		
	20	min. 470	550 - 670	min. 20	20	-	min. 78	-		

Comment /



Quality Department