

EN 10204

CHEMICAL 2.2 3.1
MECHANICAL

Number	L - 5309	Date	13.04.2011
Page	1/1		

Purchaser	SPECIALISED WELDING PRODUCTS LTD UNITED KINGDOM		
Order Nr			
Product Group	Covered electrode - stainless, high alloyed		
Brand Name	ELOX R 312 (SUPER6 312-16) / 4.5 KG, PLASTIC BOX		
Standard	AWS A5.4:06 TS 2716 EN 1600:02		
Classification	E 312 - 16	E 29 9 R 12	
Size	3,20 mm		
Quantity	67,5	Kg	
Serial Nr	11-3021		
Charge Nr	021		

Chemical Composition of Weld Metal (%)																	
Charge Nr	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	V	Al	Fe	-	-	-	-	-
AWS	<0,15	<1,0	0,5-2,5	<0,04	<0,03	28,0-32,0	8,0-10,5	<0,75	<0,75	-	-	Rest/Kalan	-	-	-	-	-
TS/EN/ISO	<0,15	<1,2	<2,5	<0,035	<0,025	27,0-31,0	8,0-12,0	-	-	-	-	Rest/Kalan	-	-	-	-	-
021	0,090	0,912	0,625	0,021	0,002	29,342	9,048	0,012	0,052	0,073	0,001	Rest/Kalan	-	-	-	-	-

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 =5d ₀	°C	J	J	-			
AWS	20	-	>660	>22	-	-	-			
TS/EN/ISO	20	>450	>650	>15	-	-	-			
	20	min. 490	700 - 830	min. 22	20	-	min. 24	-		

Comment / .



Quality Department