

CERTIFIED MATERIAL REPORT

CMR No. : 2401244300507

Date of Issue : 2024-01-24

Customer	SPECIALISED WELDING PRODUCTS LIMITE		
Trade Name	S-309L.17	Size	3.2mm*350mm
Lot No.	32232205	Purchaser's Order No.	
Specification	AWS A5.4 E309L-17 Equivalent to EN ISO 3581-A E 23 12 L R		

Welding Current	AC	Shielding Gas	-	Post Weld Heat Treatment (°C × hr.)	AS WELDED
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Mechanical Properties

Weld Metal	Tensile Test			Impact Test (CVN - Joule)				
	YS(MPa)	TS(MPa)	EL(%)	Temp.(°C)	X1	X2	X3	Avg.
	450	570	44.0		-	-	-	-
AWS Spec.	-	≥ 520	≥ 30		-			

Chemical Composition (%)

* According to EN 10204-2004 : 3.1

Weld Metal	C	Si	Mn	P	S	Cu	Ni	Cr	Mo		
	0.03	0.63	1.04	0.020	0.011	0.01	12.86	23.56	0.06		
AWS Spec.	≤ 0.04	≤ 1.00	0.5 ~ 2.5	≤ 0.04	≤ 0.03	≤ 0.75	12.0 ~ 14.0	22.0 ~ 25.0	≤ 0.75		

Others

We hereby certify that the material covered by this report has been inspected in accordance with and been found to meet the applicable requirements of specification and customer's requirements.

Approved by

K.W. Park

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