

Exaton 25.22.2.LMnB

Exaton 25.22.2.LMnB is a chromium-nickel-molybdenum covered electrode with basic coating for welding of austenitic stainless steels for example, Sandvik 2RE69 and Sandvik 3R60 U.G used in the production of ammonium carbamate, nitric acid and inorganic acids. It is also used for surfacing on low alloyed steels. The electrode combines good welding properties such as arc stability, low spatter and self peeling slag with very low impurity levels. The fully austenitic weld metal (maximum 0.6% ferrite) is very resistant to hot cracking. Exaton 25.22.2.LMn is used for welding of Sandvik 2RE69 and Sandvik 3R60 U.G. urea grade materials. But it can also be used for the following types: ISO 1.4466, 1.4335, 1.4435, 1.4436, 1.4477, 1.4578 and 1.4585; UNS S31050, S31002, S31603 and S31600.

Specifications

Classifications	EN ISO 3581-A : E 25 22 2 N L B 12 SFA/AWS A5.4 : (E310Mo-15)
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Welding Current	DC+
Ferrite Content	FN 0
Alloy Type	25Cr 22Ni 2Mo N
Coating Type	Basic

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
ISO			
As Welded	420 MPa	600 MPa	30 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
ISO		
As Welded	20 °C	70 J

Typical Weld Metal Analysis %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
<=0.04	4.5	0.4	<=0.020	<=0.020	22	25	2.1	0.05	0.14

Typical Weld Metal Analysis %

FN WRC-92
0

Deposition Data

Diameter	Current	Deposition Efficiency (%)	Fusion time per electrode at 90% I max	Deposition Rate @ 90% I max
2.5 x 300.0 mm	60-80 A			0.0 kg/h
3.2 x 350.0 mm	80-110 A	64 %	55 sec	1.7 kg/h
4.0 x 350.0 mm	110-140 A	53 %	75 sec	2.3 kg/h