

Exaton SX

Exaton SX is a high silicon containing austenitic stainless steel wire for joining Sandvik SX steel (UNS S32615). The wire is developed for use in concentrated sulfuric acid.

Classifications	EN ISO 14343-A : W Z 18 13 L
Approvals	CE : EN 13479

Alloy Type	Austenitic - 19%Cr 13%Ni 5%Si 2%Cu - Low C
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Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	420 MPa	750 MPa	35 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As Welded	20 °C	50 J

Typical Wire Composition %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
0.01	1.7	4.9	0.002	0.011	13.5	18.5	0.02	2.0	0.06

Typical Wire Composition %

Nb	Co
0.01	0.02

Typical Weld Metal Analysis %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
0.01	1.7	4.8	0.001	0.014	13.2	18.4	0.03	1.9	0.04

Typical Weld Metal Analysis %

Nb	Co
0.01	0.03