

Exaton 383

Due to its outstanding corrosion properties, 383 can be used in the most diverse environments, such as phosphoric and sulphuric acid, sour gas service in the oil & gas industry and chloride bearing seawater. Typical applications are found in heat exchangers, evaporators and transport piping. It is used for TIG-welding.

Classifications Wire Electrode	SFA/AWS A5.9 : ER383 EN ISO 14343-A : W 27 31 4 Cu L
Approvals	CE EN 13479 VdTUV 02629

Approvals are based on factory location. Please contact ESAB for more information.

Alloy Type	Austenitic
Shielding Gas	I1, R1 (EN ISO 14175)

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As Welded	20 °C (68 °F)	200 J (148 ft-lb)
As Welded	-196 °C (-321 °F)	140 J (104 ft-lb)

Typical Weld Metal Analysis %

C	Mn	Si	S	P	Ni	Cr	Mo	Al	Cu
0.012	1.7	0.05	0.001	0.01	30.5	26.7	3.5	0.03	1.1

Typical Weld Metal Analysis %

N	Nb	Co
0.05	0.01	0.04

Typical Wire Composition %

C	Mn	Si	S	P	Ni	Cr	Mo	Al	Cu
0.01	1.7	0.1	0.001	0.012	31.0	27.0	3.5	0.04	1.0

Typical Wire Composition %

N	Nb	Co
0.05	0.02	0.03