



MIG 307Si



Standards

AWS 5.9
ER 307Si

EN ISO 14343-A
G 18 8 Mn Si

W. Nr.
1.4370

Description & applications

Filler metal in solid wire spools for MIG welding of austenitic or ferritic stainless steels. The high Manganese content of 307Si reduces the risk of high temperature cracks. Recommended for the welding of high Manganese stainless steels . Also used for heterogenous welding in certain cases

Typical chemical composition (%)

C max	Mn	Si	Cr	Ni	Mo	S max	P Max	Fe
0.10	6.8	0.9	18.0	8.5	0.04	0.02	0.02	Base

Typical mechanical properties of all-weld metal

Rm	Rp 0,2	A5	KV-196°C
650 MPa	450 MPa	39 %	30 J

Operating parameters

Shielding gas recommendations :

EN ISO 14175 M12 : Argon + 2-3% CO2 ou Argon + 1-2%O2 / 12-18 l/mn



SADEV INOX – 2 Allée des Faisans – 74600 SEYNOD – France
Tel: 04 50 33 70 75/ Fax 04 50 33 70 38 info@sadevinox.com www.sadevinox.com