



MIG 316LSi



Standards

AWS 5.9
ER 316LSi

EN ISO 14343-A
G 19 12 3 LSi

W. Nr.
1.4430

Description & applications

Filler material in solid wire spools for MIG welding of austenitic stainless steels containing Molybdenum type 316, 316L, 316 Ti/Nb, as well as Molybdenum-free stainless steels type 304, 304L. The presence of Molybdenum brings several advantages: good corrosion resistance in chloride-containing environments and improved creep resistance up to 400 °C. The high Silicon content improves wettability.

Typical chemical composition (%)

C max	Mn	Si	Cr	Ni	Mo	S max	P Max	Fe
0.025	1.8	0.9	19.0	12.0	2.6	0.02	0.02	Base

Typical mechanical properties of all-weld metal

Rm	Rp 0,2	A5	KV-196°C
600 MPa	410 MPa	35 %	45 J

Operating parameters

Shielding gas recommendations :

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



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