

MIG welding filler metal with low carbon concentration designed for austenitic stainless steels (type 316, 316L, 304, 304L). The molybdenum offers better resistance to corrosion in the presence of chloride (saline environment). The fluidity and wettability of the molten metal is enhanced by the high silicon content.

■ Classification

AWS A5.9: ER 316LSi
EN ISO 14343-A: G 19 12 3 L Si

■ Applications

- Constructions which do not get hotter than 400°C when in operation.
- Constructions on the shore
- Chemical and food industries

■ Benefits

- Excellent mechanical properties.
- Resistance to saline and chemical corrosion
- Good weld bead aspect.

■ Polarity

DC +

■ Chemical properties

C % max	Si %	Mn %	Ni %	Cr %	Mo %	S % max	P % max	Fe %
0.02	0.90	1.70	12.50	18.50	2.60	0.02	0.02	Base

■ Mechanical properties

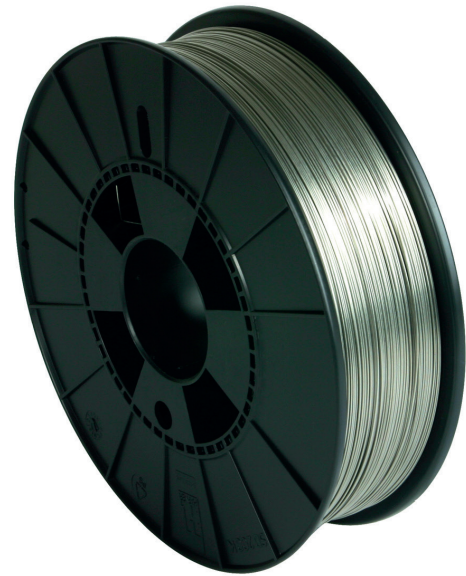
Rp 0,2	Rm	A 5	KV -196°C
400 Mpa	600 Mpa	36 %	50 J

■ Recommendations



Gas protection complies with EN ISO 14175
Argon / CO₂ (2 to 3%) (M12) or Argon / O₂ (1 to 2%) : 12-18 l/min.

■ Approval

TÜV, Vd TÜV, DB, CE



Packaging

weight (kg)	Wire reel type		Wire diameter (mm)			
			Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2
5	S200	—	—	086326	—	—
5	S200	—	—	—	086364	—
15	S300	—	—	—	086371	—