

Meltolit

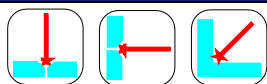
316LSi XT

AWS A 5.9: ER316LSi ISO 14343-A: G 19 12 3 LSi

DESCRIPTION

Low carbon austenitic stainless alloy with around 8% ferrite. Soft transfer, smooth bead.
 For welding of Cr-Ni-Mo stainless steels. Excellent for material with operating temperature between -120°C up to 400°C in chemical industry, petroleum, food and shipbuilding for welding of piping systems, tanks, heat exchangers etc. Higher Si content gives better weld metal flow and improves bead appearance.

WELDING POSITION



CURRENT

DC-

GAS

I1(Ar)

BASE MATERIALS

Stainless and austenitic stainless steels

MECHANICAL PROPERTIES

<i>R_m</i> (Mpa)	<i>R_{p 0,2}</i> (Mpa)	<i>A5</i> (%)	<i>KV(j)</i>
630	440	37	+20°C – 120j -60°C – 95j

WELD METAL COMPOSITION(%)

C	Mn	Si	Cr	Mo	Ni
0,02	1,8	0,8	18,5	2,7	12,5

PACKAGING

Dimension(mm)	1,0	1,2	1,6	2,0
	2,4	3,2	4,0	
Box(kg)	5	5	5	5
Item number	9M316LS101	9M316LS122	9M316LS161	9M316LS201
	9M316LS241	9M316LS321	9M316LS401	

EQUIVALENT FILLER METALS

MMA	Meltolit 316L E
MIG	Meltolit 316LSi XM
FCW(Rörtråd)	Meltolit 316L FCW, FCW-PW, OA