

## MIG / MAG Wire Series MIG EQ316LSi

## **Descriptions**

**MIG EQ316LSi** is ideal for welding sheets and pipes of chemical vessels, such as AISI 316, 316L steel. Its weld metal is austenite structure with 18%Cr-12%Ni-2%Mo-Si. This product has superior corrosion resistance to acetic acid, phosphoric acid, acetate and phosphorite due to additional Mo content. It also has a better weldability and puddle fluidity than **MIG EQ316L**.

Shielding gas: Ar+1-2%O<sub>2</sub> or Ar+1-2%CO<sub>2</sub>

## Notes on usage:

- 1. Use Ar blend with 1~2%O2 for high current, spray transfer welding .
- 2. Use Ar blend with 1~2%CO2 for low current, short-circuit transfer welding.
- 3. For welding dissimilar metals, please refer "Table: Dissimilar Metal Welding".

Classification										
AWS A5.9 ER316LSi JIS				Z3321 YS316LSi			EN ISO 14343-A G19123LSi			
Typical Chemical Composition (All Weld Metal), weight %										
С	Si	Mn	Ρ	S	Cr	Ni	Мо			
0.021	0.74	1.62	0.012	0.009	19.23	12.33	2.31			
Mech	Prope	erties		<b>Operating Data (DC+)</b>						
(All Weld Metal, as welded)					Diameter		Ar+1-2%CO	0 <sub>2</sub> Ar+1	Ar+1-2%O <sub>2</sub>	
Shielding gas: Ar+1%O <sub>2</sub>					0.8 mm		40 – 120	160	160 – 210	
Yield Strength, N/mm2 400					0.9 mm		60 – 140	170	170 – 260	
Tensile Strength, N/mm2580					1.0 mm		80 – 160	180	180 – 280	
Elongation, %				40	1.2 mm		100 – 210	200	200 – 300	
Elonga	ition, %			40			100 210		000	
•	ition, % / V-Notcl	h @ 0°C	, J	40	1.4 m		-	210	- 320	

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