
	Autotherme Grade-316L (SAW Wire)	
	An extra low carbon Stainless steel wires of the 18 % Cr, 12 % Ni and 3% Mo type for SAW	

CLASSIFICATION: **AWS: SFA 5.9**
ER316L

CHARACTERISTICS & APPLICATIONS:

Autotherme Gr. 316L wire is suitable for welding of 18 % Cr, 12 % Ni & 3 % Mo Stainless steel wire for SAW. Low carbon grade (0.03 % max) of this wire is also available. The filler metals are used for joining AISI 316 grade stainless steels and similar alloys.

CHEMICAL COMPOSITION OF SOLID WIRE, WT. %:

Element	C	Mn	Si	S	P	Cr	Ni	Mo
Typical	0.025	1.75	0.4	0.015	0.015	19.0	12.0	2.7
Range	0.03 Max	1.0 – 2.5	0.30- 0.65	0.03 Max	0.03 Max	18.0- 20.0	11.0- 14.0	2.0- 3.0

CHEMICAL COMPOSITION OF UNDILUTED WELD METAL, WT. %:

MAXFLUX	Element	C	Mn	Si	S	P	Cr	Ni	Mo
SS4	Typical	0.025	1.75	0.60	0.015	0.017	19.00	12.00	2.7

MECHANICAL PROPERTIES OF WELD METAL:

MAXFLUX	Property	UTS (MPa)	EI (L=4d) (%)
SS4	Typical	590.0	32.0

PACKING:	STANDARD SIZE	Diameter 2.5mm, 3.2mm & 4.0 mm
	QUANTITY	<ul style="list-style-type: none"> ➤ 25 kg. Wire in metallic ring. ➤ Identification-Brand name & size is printed on label. ➤ Packed in corrugated cardboard box.

An ISO 9001: 2008 COMPANY D&H Sécheron Electrodes Private Limited 44-46, Industrial Estate, Kila Maidan, Indore-452 006, India, Ph: 0731 2412331-2, 4229222 Fax: 0731 4229260 E-mail: info@dnhsecheron.net Website: www.dnhsecheron.com	JUN 2017 (Rev.: 01)
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