

Arcaloy 309L-16

Arcaloy 309L-16 is used for welding carbon and low alloy steels to stainless steels. This can be done provided the service temperature does not exceed about 700° F (370°C). Post weld heat treatment should only be performed after due consideration.

Classifications	ASME II SFA A5.4 ASME IX F No. 5 AWS A5.4 : E309L-16/E309-16
Approvals	CWB CSA W48 : E309L-16
Industry	Industrial and General Fabrication

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	450 MPa (65 ksi)	590 MPa (85 ksi)	37 %

Typical Weld Metal Analysis %

C	Mn	Si	Ni	Cr	Mo	Cu	Ferrite
0.03	1.80	0.45	13.50	23.50	0.30	0.10	9 FN