

Arcaloy MC439Ti

Arcaloy MC439Ti is an 16-17% Cr alloy metal cored electrode stabilized with Titanium (Ti). The high level of chromium provides additional oxidation and corrosion resistance when welding stainless steel catalytic converters, manifolds, mufflers, and exhaust systems. It is also suited for welding parts with poor fit up. Arcaloy MC439Ti produces a spray - type metal transfer with minimal spatter.

Specifications

Classifications	SFA/AWS A5.22 : EC439
Industry	Automotive

Welding Current	DC+
Alloy Type	MC439Ti
Shielding Gas	M13 (EN ISO 14175)

Typical Weld Metal Analysis %

C	Mn	Si	S	P	Cr	Ti
0.02	0.76	0.27	0.01	0.01	17.90	0.68

Deposition Data

Diameter	Current	Voltage	Wire Feed Speed	Electrical Stickout
1.2 mm	200 A	20 V	533 cm/min	12.7 mm
1.2 mm	215 A	21 V	584 cm/min	12.7 mm
1.2 mm	234 A	22 V	635 cm/min	12.7 mm
1.2 mm	290 A	24 V	762 cm/min	12.7 mm
1.2 mm	323 A	24 V	889 cm/min	12.7 mm

Recommended Welding Parameters

Current	Wire Diameter	Voltage	Wire Feed Speed
200-323 A	1.2 mm	20-24 V	5.23-8.89 mm/min