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Inspiring the future generations of welders

PRODUCT DATA SHEET

DURAMAX ALUMINUM COATED ELECTRODE

PRODUCT: DM4043CTD

Classification: E4043CTD AWS A5.3 / ASME SFA 5.3

Description, Characteristics & Applications:

DURAMAX E4043CTD For arc welding aluminum alloyed with copper, silicon, and magnesium. Also excellent for joining dissimilar grades of aluminum. DM4043CTD is 5% Silicon aluminum arc welding electrode with exclusive self lifting slag.

Typical Chemical Composition (%)

Al	Si	Fe	Cu	Mn	Mg	Zn	Ti	Be	TOE
REM	4.5 - 6.0	0.80 max	0.30 max	0.05 max	0.05 max	0.10 max	0.20 max	<0.0008	0.05 max each / 0.15 Max Total

Typical Mechanical Properties as Welded

Ultimate Tensile Strength:	Yield Strength:	Elongation in 2 inch (%):
32,000 psi (230 MPa)	20,000 psi (150 MPa)	18%

Typical Welding Parameters DCEP Reverse:

DIAMETER	5/64"	3/32"	1/8"	5/32"
MIN Amps	20	50	70	110
MAX Amps	60	50	120	150
Weldmetal / Electrode	.08 oz	.14 oz	.23 oz	.33 oz
Electrodes per lb of Weldmetal	184	114	70	48
Arc Time of Deposition min/lb	176	110	62	47
Amp Settings	40	70	110	135
Recovery Rate	90%	90%	90%	90%

Welding Positions: Flat, Horizontal