

DESCRIPTION

Executive ER4043 solid aluminum welding wire is designed to have smooth and consistent feedability. Executive aluminum wire is non-annealed which allows for smoother feedability especially when utilizing long MIG guns.

Our enhanced feedability design uses less lubricant than standard aluminum wire resulting in considerably less fume generation.

The addition of 5% Silicon results in improved fluidity with a less crack sensitive bright weld bead. Executive 4043 will typically turn dark gray in color after the anodizing process.

APPLICATIONS & FEATURES

Executive 4043 welds most aluminum grades and is found in many common welding applications such as cylinder heads and blocks, bicycles, trucks, trailers, automotive/boat/truck parts and equipment. Executive ER4043 is suitable to weld heat treatable alloys and leave a weld joint stronger than the base metal with high corrosion resistance.

TYPICAL WIRE CHEMISTRY & MECHANICAL PROPERTIES

Al	Mn	Fe	Cu	Si	Mg	Ti	Zn	TOE	Be	Cr
REM	<0.01	0.11	0.02	4.84	<0.01	0.01	<0.01	<0.15	<0.0001	<0.01
Tensile Strength:		27,500 PSI min		Elongation:		18%				
Yield Strength:		19,500 PSI min								

TYPICAL WELDING PARAMETERS

Process	Diameter	Voltage	Amperage	Gas Flow	Shielding Gas / Flux
GMAW	.035"	15-27	70-185	30 to 50 CFH	100% Ar
	.047"	20-29	125-260		
	.062"	24-30	170-300		
GTAW	.093"	Direct Current; Electrode -		20 to 30 CFH	100% Ar
	.125"				

STANDARD PACKAGING

GMAW (MIG)	16-lb / 20-lb wire spools	1,536-lb / 1,920-lb pallet	300-lb / 500-lb drums
	1-lb plastic spools	20-lb box	
GTAW (TIG)	10-lb tube	50-lb box	

CLASSIFICATION

AWS/SFA 5.10, Class **ER4043**
Certified by the Canadian Welding Bureau (CWB) to AWS A5.10.

