

# ER4043 Mig Welding Wire

## DESCRIPTION

**Blue Demon™ E4043** is a general-purpose type aluminium welding wire. It is one of the oldest and most widely used welding and brazing alloys. This aluminium alloy contains silicon additives, which result in improved fluidity (wetting action) of the weld pool and also produces a weld less sensitive to cracking. Its bright weld finish makes it a popular choice of welders.

WELDING CURRENT: DCEP

CONFORMANCES: E4043 **AWS:** A5.3/A5.3M:1999(R2007) **EN ISO:** 18273:S Al 4043 (AlSi5)

## TYPICAL APPLICATIONS

- Arc welding aluminums alloyed with copper, silicon, and magnesium
- Excellent for joining dissimilar grades of aluminum

## Typical Wire Chemistry

Si	Cu	Fe	Mg	Mn	Zn	Al	Be	Ti
4.5-6.0	0.3	0.8	0.05	0.05	0.10	REM	0.0008	0.2

## Mechanical Properties (As Welded)

	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (% Min)
Typical	138	220	18