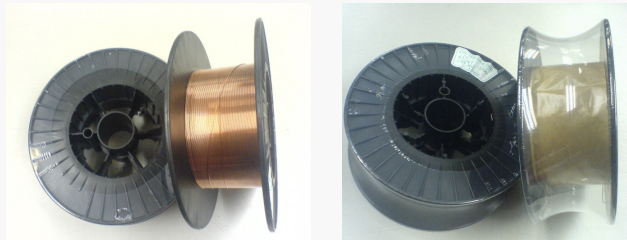


CO₂ Mig Wire

Plastic Spool :



Metal Spool :



CO₂ Wire (AWS ER70S-6)

This copper coated wire is suitable for welding low carbon steel for all positions. It contains high manganese and silicon for augmented deoxidizing power. Suitable for use with 100%CO₂ or 80Ar/20CO₂ as shielding gas. It produces stable arc, low spatter, high deposition efficiency and smooth bead.

Applications : for welding of tanks, truck bodies, containers, construction equipments, etc.

Welding Wire Chemical Composition (%)

Type	Standard	C	Si	Mn	P	S	Cu
ER70S-6	AWS A5.18:2005	0.06~0.15	0.80~1.15	1.40~1.85	≤ 0.025	≤ 0.035	≤ 0.50
SG2 (ER70S-6)	EN ISO 14341:2011	0.06~0.14	0.70~1.00	1.30~1.60	≤ 0.025	≤ 0.025	≤ 0.35
SG3 (ER70S-6)	EN ISO 14341:2011	0.06~0.14	0.80~1.20	1.60~1.90	≤ 0.025	≤ 0.025	≤ 0.35

Mechanical Properties of Deposited Metal

Type	Standard	Shielding gas	Yield strength (Mpa)	Tensile strength (Mpa)	Elongation (%)	AKV Impact Energy (J) (°C)
ER70S-6	AWS A5.18:2005	CO ₂	≥ 400	≥ 480	≥ 22	≥ 27 (-30°)
ER70S-6	AWS A5.18:2005	80Ar/20CO ₂	weld metal having higher strength and lower elongation			
SG2 & SG3 (ER70S-6)	EN ISO 14341:2011	CO ₂	≥ 420	≥ 500-640	≥ 20	≥ 47 (-40°)
SG2 (ER70S-6)	EN ISO 14341:2011	80Ar/20CO ₂	≥ 420	≥ 500-640	≥ 20	≥ 47 (-40°)
SG3 (ER70S-6)	EN ISO 14341:2011	80Ar/20CO ₂	≥ 460	≥ 530-680	≥ 20	≥ 47 (-40°)

Sizes available :

Diameter

Weight / Spool

0.6mm (.023")	1kg (2.2lb), 5kg (11lb)
0.8mm (.030")	5kg (11lb), 15kg (33lb)
0.9mm (.035")	5kg (11lb), 15kg (33lb), 20kg (44lb)
1.0mm (.040")	5kg (11lb), 15kg (33lb), 20kg (44lb)
1.2mm (.045")	15kg (33lb), & 250kg (550lb) / Drum

Plastic Spool Packing : 1 Spool/clear-poly-foil shrink wrapped/Box, , then on Pallet (1,080kg).

Metal Spool Packing : 1 Spool/plastic bag/Box, then on Pallet (1,080kg).

Drum Packing : 250kg/Drum, 4 Drums/pallet (1,000kg).

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