

# AS MIG SG2 PERFORMANCE



## MIG/MAG Welding Wire for Mild Steels

### Classification

TS EN ISO14341-A : G 42 3 C1 3Si1 / G 42 5 M21- M32 3Si1  
AWS A5.18 : ER70S-6

### General Description

AS SG2 PERFORMANCE is a copper coated gas metal arc welding wire in 15 kg spools or 250 kg drums. It is particularly designed for semiautomatic and full-automatic GMAW applications. Working temperature can range between -50 to 450°C.

CO<sub>2</sub> or 80 % Ar- 20 % CO<sub>2</sub> are used for gas shielding.

### Chemical Composition (w%), Typical, Wire

C	Si	Mn
0.08	0.85	1.50
0.06 *	0.55 *	1.10 *

(\*) Typical weld metal composition (CO<sub>2</sub> gas shielding)

### Mechanical Properties, Typical, All Weld Metal

Yield Strength : 440 N/mm<sup>2</sup> (M21)  
Tensile Strength : 540 N/mm<sup>2</sup> (M21)  
Elongation (L=5d) : 30 % (M21)  
Impact (ISO-V) : 60 J (-30°C) (M21)

### Approvals

CE, DB, GOST, NAKS, SEPRO, TSE, TÜV

Shielding gas: CO<sub>2</sub>

GL

Shielding gas: Ar+CO<sub>2</sub>

GL

### Shielding Gases (ISO 14175 / EN 439)

MAG: M21- Ar + 5-25% CO<sub>2</sub>  
C1 - CO<sub>2</sub>(100%)

### Packing and Diameter Informations

Diameter	0.8	1.0	1.2	1.6	2.0	2.4	3.2	Spool Weight	Drum Weight
MIG/MAG Wire	x	x	x	x	-	-	-	5 kg / 15 kg	250 kg / 500 kg

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**Liability** : All information in this data sheet is based on the best available knowledge, is subject to change without notice and can only be considered as 1 suitable for general guidance. Fumes : Consult information on Welding Safety Sheet, available upon request.