

Ultramag®

TOP FEATURES

- Good performances in terms of feedability and weldability
- Stable arc and low spatter
- High productivity

TYPICAL APPLICATIONS

- General Contructions
- Heavy Fabrication
- Infrastructures
- Automotive

CLASSIFICATION

AWS A5.18	ER70S-6
EN ISO 14341-A	G42 3 C1 3Si1 / G46 4 M20 3Si1 / G46 4 M21 3Si1

SHIELDING GASES (ACC. EN ISO 14175)

M21	Mixed gas Ar+ >15-25% CO ₂
M20	Mixed gas Ar+ >5-15% CO ₂
C1	Active gas 100% CO ₂

APPROVALS

ABS	LR	DNV	TÜV	DB	CE
+	+	+	+	+	+

CHEMICAL COMPOSITION (WEIGHT %), TYPICAL, WIRE

C	Mn	Si
0.08	1.40	0.85

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding gas	Condition*	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact ISO-V (J)	
						-30° C	-40° C
Typical values	M21	AW	470	570	24		170
	C1	AW	450	550	25	71	130

* AW = As welded

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PACKAGING AND AVAILABLE SIZES

Wire diameter (mm)	Packaging	Weight (kg)
0.6	SPOOL (S200)	5.0
	SPOOL (S300)	15.0
0.8	SPOOL (S200)	5.0
	SPOOL (S300)	15.0
	SPOOL (B300)	16.0
	SPOOL (BS300)	16.0
	DRUM	250.0
0.9	DRUM	250.0
1.0	SPOOL (S200)	5.0
	SPOOL (S300)	15.0
	SPOOL (B300)	16.0, 18.0
	SPOOL (BS300)	16.0
	DRUM	250.0, 500.0
1.2	SPOOL (S200)	5.0
	SPOOL (S300)	15.0
	SPOOL (B300)	16.0, 18.0
	SPOOL (BS300)	16.0
	DRUM	250.0, 500.0
1.4	DRUM	500.0
1.6	SPOOL (B300)	16.0
	SPOOL (BS300)	16.0
	DRUM	250.0, 500.0

MIG/MAG