

MIG-MAG Wires C-Mn and low-alloy steels

Carbofil Mo is a copper coated solid wire suitable for welding 0,5% Mo steels. Excellent mechanical properties. Cold cracking resistant weld deposit.

Classification	
AWS	A5.28: ER 70S-A1
EN	12070: G Mo Si

Approvals	Grades

Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Ni	Mo	Nb	V	N	Cu
0.08	1	0.60	-	-	-	-	0.50	-	-	-	-

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J) -20°C	Hardness
PWHT 580°C x 15h	≥ 380	480-560	≥ 22	≥ 47	-
As Welded	≥ 400	515-620	≥ 22	≥ 47	-

Gas test: Acc. To EN 439: M21(Arcal 21-Atal 6)

Shielding Gas: Acc. To EN 439: M21(Arcal 21-Atal 6)

Materials

S(P)235-S(P)460, 16Mo3

Storage

Keep dry and avoid condensation.

Current condition and welding position

DC+



Packaging data: K300 Kg. 16

Diameters	0,8	1,0	1,2	1,6		