

TIG Rods C-Mn steels and low-alloy steels

Carborod Mo is a TIG rod suitable for welding 0,5 Mo steels and heat resistant steels. The weld deposit is highly resistant to cold cracking. Recommended for nuclear applications.

Classification	
AWS	5.28: ER70S-A1
EN	12070: W MoSi

Approvals	Grades
TÜV	

see Appendix, Classification Society Approvals, for details pag. 521

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
As Welded	≥ 355	≥ 550	≥ 22	≥ 47	-

Gas test: Acc. To EN 439: I1(Arcal1)

Shielding Gas: Acc. To EN 439: I1(Arcal1)


Materials

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

Storage
Keep dry and avoid condensation

Current condition and welding position

DC -



PA PB PC PF PE PF2

Packaging data: Tube 5 Kg

Diameters (L: 1000 mm)	1,0	1,6	2,0	2,4	3,2
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Further forms of delivery on request.