

Chemical Composition of Copper Coated Welding Wire

Grade	CHEMICAL COMPOSITION OF COPPER COATED TIG/MIG AS PER AWS A5.18												
	C %	Cr %	Ni %	Mo %	Mn %	Si%	P%	S%	V%	Cu%	Ti	Zr	Al
AWS ER-70S6	0.06-0.15	0.15	0.15	0.15	1.40-1.85	0.80-1.15	0.025	0.035	0.03	0.50	----	----	----
AWS ER-70S2	0.07	0.15	0.15	0.15	0.90-1.40	0.40-0.70	0.025	0.035	0.03	0.50	0.05-0.15	0.02-0.12	0.05-0.15
AWS ER-70S3	0.06-0.15	0.15	0.15	0.15	0.90-0.15	0.45-0.75	0.025	0.035	0.03	0.50	----	----	----
CHEMICAL COMPOSITION OF COPPER COATED TIG/MIG AS PER AWS A5.28													
AWS ER-90SD2	0.07-0.12	---	0.15	0.40-0.60	1.60-2.10	0.50-0.80	0.025	0.025	----	0.50	----	----	----

Grade	CHEMICAL COMPOSITION OF COPPER COATED SAW WIRE AS PER AWS A5.17												
	C %	Mn %	Si%	P%	S%	Cu%	Cr%	Ni%	V%	Mo%	Other	Amount	
AWS EL-8	0.10	0.25-0.60	0.07	0.03	0.03	0.35	----	----	----	----	----	----	
AWS EL-12	0.04-0.14	0.25-0.60	0.10	0.03	0.03	0.35	---	---	---	---	----	----	
AWS EM-12K	0.05-0.15	0.80-1.25	0.10-0.35	0.03	0.03	0.35	----	----	----	----	----	----	
AWS EH-14	0.10	1.70-2.20	0.10	0.03	0.03	0.35	----	----	----	----	----	----	
AWS EH-10K	0.07-0.15	1.30-1.70	0.05-0.25	0.025	0.025	0.35	----	----	----	----	----	----	

Grade	CHEMICAL COMPOSITION OF COPPER COATED SAW WIRE AS PER AWS A5.23											
	C %	Cr %	Ni %	Mo %	Mn %	Si%	P%	S%	Fe%	Cu%	Al	Amount
AWS EA2	0.05-0.17	--	--	0.45-0.65	0.95-1.35	0.20	0.025	0.025	---	0.35	--	---
AWS EA3	0.05-0.17	---	---	0.40-0.65	0.65-2.20	0.20	0.025	0.025	---	0.35	--	---