

ALLOYS WIRES GRADES AND SPECIFICATIONS

Alloys & Chemicals Compositions

Grade	Element (%)											Each	Total	Al
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Be				
4043	4.5 ~ 6.0	0.8	0.3	0.05	0.05	~	0.1	0.2	~	0.0003	0.05	0.15	Rem.	
4047	11 ~ 13	0.4	0.1	0.15	0.1	~	0.2	0.15	~	0.0003	0.05	0.15	Rem.	
5356	0.25	0.4	0.1	0.05~0.2	4.5~5.5	0.05~0.2	0.1	0.06~0.2	~	0.0003	0.05	0.15	Rem.	
5183	0.25	0.4	0.1	0.5~1.0	4.5~5.2	0.05~0.25	0.1	0.15	~	0.0003	0.05	0.15	Rem.	
5087	0.25	0.4	0.05	0.7~1.1	4.5~5.2	0.05~0.25	0.1	0.15	0.1~0.2	0.0003	0.05	0.15	Rem.	

Specifications and Packing

Material	Diameter	Packing	Weight
MIG Wire	0.8mm, 0.9mm, 1.0mm	D300	6Kg-7Kg
	1.2mm, 1.6mm	D270	5Kg-6Kg
	0.8mm, 0.9mm, 1.0mm, 1.2mm	D200	2Kg
TIG ROD	0.8mm, 0.9mm, 1.0mm, 1.2mm	D100	0.5Kg
	1.6mm, 2.0mm, 2.4mm, 3.0mm	Length	5Kg
	3.2mm, 4.0mm, 5.0mm, 6.0mm	1000mm	10Kg 20Kg
MIG Coil	1.6mm, 2.0mm, 2.4mm, 3.0mm		10Kg-20Kg
	3.2mm, 4.0mm, 5.0mm, 6.0mm		30Kg-50Kg

Diameter, Weights and Length

Diameter (mm)	Weight (Per Meter)	Length (Per Spool/m)				
		0.5Kg	2Kg	5Kg	6Kg	7Kg
0.8	1.34	373	1492	3731	4476	5222
0.9	1.7	294	1176	2941	3529	4118
1	2.1	238	952	2381	2857	3333
1.2	3.02	165	662	1655	1987	2318
1.6	5.37	-	-	931	1117	1304

Grades Available

Grade	Element %									
	SI%	FE%	CU%	MN%	MG%	CR.%	ZN%	TI%	Other	Aluminium
5052	0.25 MAX	0.40 MAX	0.10 MAX	0.10 MAX	2.2-2.8	0.15-0.35	-	-	0.15 MAX	Remaining
5056	0.30 MAX	0.40 MAX	0.10 MAX	0.05-0.20	4.50-5.60	0.50-0.20	0.10 MAX	0.10 MAX	0.15 MAX	Remaining
5154	0.45 MAX	0.45 MAX	0.10 MAX	0.80-1.30	2.80-3.50	-	0.20 MAX	0.20 MAX	-	Remaining
5356	0.25 MAX	0.40 MAX	0.10 MAX	0.05-0.20	4.50-5.50	0.050-0.20	0.10 MAX	0.06-0.20	0.15 MAX	Remaining
5754	0.40 MAX	0.40 MAX	0.10 MAX	0.50 MAX	0.26-36	0.30MAX	0.20 MAX	0.15MAX	0.15 MAX	Remaining
6101	0.3-0.7	0.5 MAX	0.10 MAX	0.03 MAX	0.35-0.38	0.03MAX	0.10 MAX	-	0.15 MAX	Remaining
6201	0.60 MAX	0.22 MAX	0.007 MAX	-	0.63 MAX	0.004MAX	0.008 MAX	NI 0.007 MAX	PB 0.007 MAX	Remaining
1050	0.25 MAX	0.40 MAX	0.05 MAX	0.01 MAX	0.05 MAX	-	0.05 MAX	-	-	Remaining
1350	0.10 MAX	0.40 MAX	0.05 MAX	0.10 MAX	-	0.01 MAX	0.05 MAX	0.01 MAX	0.10 MAX	Remaining
1100	0.95 MAX	-	0.05 MAX	-	-	0.01 MAX	0.10 MAX	0.01 MAX	0.15 MAX	Remaining



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