

CHEMICAL COMPOSITION OF ALUMINIUM ROD								
Series	Grade	Cr	Si (max)	Fe (max)	Cu (max)	Mn (max)	Mg	Al
5000	5052	0.15-0.35	0.25	0.4	0.1	0.1	2.20-2.80	Rem
	5050	0.1	0.4	0.7	0.2	0.1	1.10-1.80	Rem
	5183	0.05-0.25	0.25	0.4	0.1	0.5-1.0	4.3-5.2	Rem
	5154	0.15-0.35	0.25	0.4	0.1	0.1	3.10-3.90	Rem
	5356	0.05-0.20	0.25	0.4	0.1	0.05-0.20	4.5-5.5	Rem

MECHANICAL AND ELECTRICAL PROPERTIES						
Series	Grade	Temper	Tensile strength	Yield strength	Elongation	Electrical conductivity
			MPa	MPa	%	%IACS
5000	5052	H36	275	240	9	35
		H38	290	255	14	35
	5050	H34	170	138		50
		H36	185	151		50
		H38	200	-		50
	5183		275	125	17	29
	5154	H32	270	117	15	32
5356		193	94	19	29	