



Aluminium Alloy 1000 and 3000

CHEMICAL COMPOSITION OF ALUMINIUM ROD

Series	Grade	Cr	Si (max)	Fe (max)	Cu (max)	Mn (max)	Zn (max)	B (max)	V+Ti (max)	Al
1000	1350	0.01	0.1	0.4	0.05	0.01	0.05	0.05	0.02	Rem

MECHANICAL AND ELECTRICAL PROPERTIES

Grade	Temper	Tensile strength MPa	Yield strength MPa	Elongation %	Electrical conductivity %IACS
1350	O	83	28	23	61.8
	H12	97	83	-	61.0
	H14	110	97	-	61.0
	H19	186	165	1.5	61.0

CHEMICAL COMPOSITION OF ALUMINIUM ROD

Series	Grade	Cr	Si (max)	Fe (max)	Cu	Mn	Mg	Ti	Zn (max)	Al
3000	3003	-	0.6	0.7	0.05-0.20	1.0-1.50	-	-	0.1	Rem

MECHANICAL AND ELECTRICAL PROPERTIES

Grade	Temper	Tensile strength MPa	Yield strength MPa	Elongation %	Electrical conductivity %IACS
3003	O	110	42	30-40	50 %
	H12	130	125	10-20	42 %
	H14	150	145	8-16	41 %