

ALLUMINIO BRONZO OTTONE RAME GHISA PLASTICHE

2000/53/CE (ELV) - 2011-65-CE (RoHS II)

MATERIALE

Alloy 2011

CHEMICAL COMPOSITION

CHEMICAL ANALYSIS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Ni
min		0,00	5,00	0,00	0,00	0,00	0,00	0,00	0,20	0,20	0,00
max	0,40	0,70	6,00	0,00	0,00	0,00	0,30	0,00	0,40	0,60	0,00

MECHANICAL PROPERTIES

		DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
DRAWN	T3	<40	320	270	10	90
DRAWN	T3	40<d<=50	300	250	10	90
DRAWN	T3	50<d<=80	280	210	10	90
DRAWN	T8	<=80	370	270	8	115

		DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
EXTRUDED	T6	<=75	310	230	8	110
EXTRUDED	T6	75<d<=200	295	195	6	110

TYPICAL PHYSICAL PROPERTIES

Density (kg/m ³)x10 ³	Coeff. Of thermal expansion (20:100)x10 ⁻⁶	approx. Melting temp range in °C
2,83	22,9	540-645

	T3	T8
electrical resistivity ohm mm ² /mm	0,043	0,038
thermal conductivity W/mk	151	172
Specific Heat 0-100°C cal./g°C	0,23	0,23
Coefficient of Elasticity Mpa	70000	70000

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