

ALLUMINIO BRONZO OTTONE RAME GHISA PLASTICHE

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

MATERIALE

Alloy 6082

CHEMICAL COMPOSITION

CHEMICAL ANALYSIS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Ni
min	0,70	0,00	0,00	0,40	0,60	0,00	0,00	0,00	0,00	0,0	0,0
max	1,30	0,50	0,10	1,00	1,20	0,25	0,20	0,10	0,00	0,0	0,0

MECHANICAL PROPERTIES

		DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
DRAWN	T6	<=80	310	255	10	95

			Rm/MPa	Rp0,2/MPa	A%	HB typical
EXTRUDED	T6		310	260	8	95

TYPICAL PHYSICAL PROPERTIES

Density (kg/m ³)x10 ³
2,71

Coeff. Of thermal expansion (20:100)x10 ⁻⁶	approx. Melting temp range in °C
24	585-645

		T6
electrical resistivity ohm mm ² /mm		0,037
thermal conductivity W/mk		167
Specific Heat 0-100°C cal./g°C		0,23
Coefficient of Elasticity Mpa		69000

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