

ALLUMINIO BRONZO OTTONE RAME GHISA PLASTICHE

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

MATERIALE

Alloy 7075

CHEMICAL COMPOSITION

CHEMICAL ANALYSIS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Ni
min	0,00	0,00	1,20	0,00	2,10	0,18	5,10	0,00	0,00	0,00	0,00
max	0,40	0,50	2,00	0,30	2,90	0,28	6,10	0,20	0,00	0,00	0,00

MECHANICAL PROPERTIES

		DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
DRAWN	T6	<=80	540	485	7	150
DRAWN	T651	<=80	540	485	5	150
DRAWN	T73	<=80	455	385	10	135
DRAWN	T7351	<=80	455	385	8	135

		DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
EXTRUDED	T6,T6510,T6511	<=100	560	500	7	150
EXTRUDED	T6,T6510,T6511	100<d<=150	550	440	5	150
EXTRUDED	T6,T6510,T6511	150<d<=200	440	400	5	150

TYPICAL PHYSICAL PROPERTIES

Density (kg/m³)x10³	Coeff. Of thermal expansion (20:100)x10⁻⁶	approx. Melting temp range in °C
2,8	23,5	475-630

		T6
electrical resistivity ohm mm²/mm		0,052
thermal conductivity W/mk		130
Specific Heat 0-100°C cal./g°C		0,21
Coefficient of Elasticity Mpa		72000

TMS Srl

Via Ponticelli, 35

25014 Castenedolo (BS) ITALY

tel +39 030 2122358

fax +39 030 2126684

www.tmsmetalli.it