

ALLUMINIO BRONZO OTTONE RAME GHISA PLASTICHE

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

MATERIALE

Alloy 2077

CHEMICAL COMPOSITION

CHEMICAL ANALYSIS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Ni
min	0,40	0,00	4,00	0,60	0,60	0,00	0,00	0,00	0,00	0,20	0,00
max	1,00	0,70	5,00	1,20	1,20	0,20	0,25	0,15	0,00	0,90	0,20

MECHANICAL PROPERTIES

		DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
DRAWN	T6/T6511	<=80	480	400	5	130
estruso	T4/T4511	<=75	400	270	10	105
estruso	T4/T4511	75<D<=150	390	260	9	105
estruso	T4/T4511	150<D<=200	370	240	8	105
estruso	T4/T4511	200<D<=254	360	220	7	105
estruso	T6/T6511	<=150	455	380	5	130
estruso	T6/T6511	150<D<=200	420	280	8	120
estruso	T6/T6511	200<D<=254	400	270	8	100

TYPICAL PHYSICAL PROPERTIES

Density (kg/m³)x10³	Coeff. Of thermal expansion (20:100)x10-^6	approx. Melting temp range in °C
2,81	22,9	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		70000

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