

ALLUMINIO BRONZO OTTONE RAME GHISA PLASTICHE

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

MATERIALE

Alloy 2017A

CHEMICAL COMPOSITION

EN 573 - 3

CHEMICAL ANALYSIS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Zr+Ti	Pb	Bi	Ni
min	0,20	0,00	3,50	0,40	0,40	0,00	0,00	0,00	0,00	0,0	0,00
max	0,80	0,70	4,50	1,00	1,00	0,10	0,25	0,25	0,00	0,0	0,00

MECHANICAL PROPERTIES

		DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
DRAWN	T3	<=80	400	250	10	105
DRAWN	T351	<=80	400	250	8	105

		DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
EXTRUDED	T4,T4510,T4511	<=75	400	270	10	105
EXTRUDED	T4,T4510,T4511	75<d<=150	390	260	9	105
EXTRUDED	T4,T4510,T4511	150<d<=200	370	240	8	105
EXTRUDED	T4,T4510,T4511	200<d<=250	360	220	7	105

TYPICAL PHYSICAL PROPERTIES

Density (kg/m ³)x10 ³	Coeff. Of thermal expansion (20:100)x10 ⁻⁶	approx. Melting temp range in °C
2,79	23,6	510-640

electrical resistivity ohm mm ² /mm	0,051
thermal conductivity W/mk	134
Specific Heat 0-100°C cal./g°C	0,23
Coefficient of Elasticity Mpa	75000

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