

ALLUMINIO BRONZO OTTONE RAME GHISA PLASTICHE

2000/53/EU (ELV) - 2018/740/EU

MATERIALE

Alloy 2033

CHEMICAL COMPOSITION

CHEMICAL ANALYSIS		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Bi	Ni	
min		0,10	0,00	2,20	0,40	0,20	0,00	0,00	0,00	0,05	0,00	
max		1,20	0,70	2,70	1,00	0,60	0,15	0,50	0,10	0,80	0,15	

MECHANICAL PROPERTIES

			DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
DRAWN	T3		<30	370	240	7	95
DRAWN	T3		30<d<=80	340	220	7	95
DRAWN	T351		<=80	370	240	5	95
DRAWN	T8		<=80	370	270	8	95

			DIAM MM	Rm/MPa	Rp0,2/MPa	A%	HB typical
EXTRUDED	T6		<=80	370	250	8	95
EXTRUDED	T6		80<d<=250	340	220	8	95

TYPICAL PHYSICAL PROPERTIES

Density (kg/m ³)x10 ³	Coeff. Of thermal expansion (20:100)x10 ⁻⁶	approx. Melting temp range in °C
2,77	22,9	540-645

	T3	T8
electrical resistivity ohm mm ² /mm	0,046	0,046
thermal conductivity W/mk	151	172
Coefficient of Elasticity Mpa	70000	70000

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