

MATERIAL SPECIFICATION SHEET

CU ALLOY - ALUMINIUM BRONZE [AB2]

Material	Form	Standard	Name/symbol	Number	Tensile strength R_m N/mm ² min.	0.2% proof strength $R_{p0.2}$ N/mm ² approx.	Elongation A % min.	Equivalent	Allowable temperature range °C
Nickel Aluminium Bronze	Cast	BS EN 1982	CuAl10Fe5Ni5-C	CC333G	600	250	13	BS 1400 AB2	-196 to +350

Unless otherwise stated, values are for sand castings, designation 'GS'.

TYPICAL CHEMICAL COMPOSITION

Al %	Cu %	Fe %	Mn (max) %	Ni %	Bi (max) %	Cr (max) %	Mg (max) %	Pb (max) %	Si (max) %	Sn (max) %	Zn (max) %
8.5 - 10.5	76.0 - 83.0	4.0 - 5.5	3.0	4.0 - 6.0	0.01	0.05	0.05	0.03	0.1	0.1	0.5



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