

MATERIAL SPECIFICATION SHEET

CU ALLOY - NICKEL GUNMETAL [G3]

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	Max pressure* bar
Nickel Gunmetal [G3]	Cast	BS 1400	CuSn7Ni5Zn3	G3	260	140	7	-	No data available	-

* For use as industrial valve body/bonnet material

TYPICAL CHEMICAL COMPOSITION

Cu %	Sn %	Zn %	Pb %	P (max) %	Ni %	Fe (max) %	Al (max) %	Mn (max) %	Sb (max) %	As (max) %	Si (max) %	Bi (max) %	S (max) %	Total impurities
Rem.	6.5 - 7.5	1.5 - 3.0	0.1 - 0.5	0.02	5.25 - 5.75	†	0.01	0.20	†	†	0.02	0.02	0.1	0.50

† Iron + antimony + arsenic 0.20% max



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