

Material Specification Sheet

Cu Alloy - Low Lead Gunmetal [GM1]

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
Gunmetal [GM1]	Cast	BS EN 1982	CuSn5Zn5Pb2-C	CC499K	200	90	13	-	-10 to +260	-

* For use as industrial valve body/bonnet material

Typical chemical composition

Cu %	Ni (max) %	P (max) %	Pb (max) %	Sn %	Zn %	Al (max) %	As (max) %	Bi (max) %	Cd (max) %	Cr (max) %	Fe (max) %	S (max) %	Sb (max) %	Si (max) %
84.0 - 88.0	0.60	0.04	3.0	4.0 - 6.0	4.0 - 6.0	0.01	0.03	0.02	0.02	0.02	0.30	0.04	0.10	0.01



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