

Material Specification Sheet

Cu Alloy - Tin Phosphor Bronze [PB2]

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
Tin Phosphor Bronze [PB2]	Cast	BS EN 1982	CuSn12	CC483K	260	140	7	BS 1400 PB2	No data available	-

* For use as industrial valve body/bonnet material

Typical chemical composition

Cu %	Ni (max) %	P (max) %	Pb (max) %	Sn %	Al (max) %	Fe (max) %	Mn (max) %	S (max) %	Sb (max) %	Si (max) %	Zn (max) %
85.0 - 88.5	2.0	0.6	0.7	11.0 - 13.0	0.01	0.2	0.2	0.05	0.15	0.01	0.5



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Wrekin Shell Mouldings Limited

Halesfield 21 • Telford • TF7 4NX

Tel: 01952 580946

Fax: 01952 582546

Web: www.wrekin-shell-mouldings.co.uk