WSM
Wrekin Shell Mouldings

MATERIAL SPECIFICATION SHEET

CU ALLOY - TIN PHOSPHOR BRONZE [PB2]

Material	Form	Standard	Name/symbol	Number	Tensile strength R_m N/mm² min.	0.2% proof strength $R_{p0.2}$ N/mm² approx.	Elongation A % min.	Equivalent	Allowable temperature range* °C	Max pressure* bar
Tin Phosphor Bronze [PB2]	Cast	BS EN 1982	CuSn12-C	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

CERTIFIED LR ISO 9001 UKAS MANAGEMENT SYSTEMS 001

Approval No: 0004318

Wrekin Shell Mouldings Ltd
Halesfield 21 • Telford • TF7 4NX
Tel: 01952 580946 • Fax: 01952 582546
Email: info@wrekin-shell-mouldings.co.uk • Web: www.wrekin-shell-mouldings.co.uk
Registered in England No 02710581