

Material Specification Sheet

Spheroidal Graphite Cast Iron (Ductile iron)

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
SG iron	Cast	BS EN 1563	EN-GJS-400-15	EN-JS1030	400	250	15	BS 2789 420-12	-10 to +350	-

* For use as industrial valve body/bonnet material

Approx chemical composition

C %	Si %	Mn (max) %
3.6 - 3.8	2.6 - 2.8	0.3



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