



General Information Sheet Cast Iron Grade 14 BS1452

Chemical Composition

Carbon	3.25%max
Silicon	2.5% max
Manganese	0.5% max
Sulphur	0.05%
Phosphorus	0.05%

Mechanical Properties

0.1% Proof Stress (MPa)	195
Tensile Stress (MPa)	220
Elongation (%)	0.8
Brinell Hardness Number	212

Machinability

Cast iron has fairly good machining properties, but tools should preferably be of high speed steel and must be kept sharp.

A moderately high rate of tool wear may be expected. Liberal cutting lubricant should be employed.

Corrosion Resistance

Resistance to corrosive attack by seawater and marine atmosphere is good.