

3D Ductile Iron

CUSTARD

ROSE PINK

CHARACTERISTICS

Tensile Strength (MPa) 415

Elongation (%) 12

Hardness Range (HB) 187 max

DESCRIPTION

Also known as BU DUCTILE CI - a spheroidal graphite (nodular) ductile iron. This grade is an essentially ferritic grade, having high elasticity and resistance to impact. It can be welded but cannot be readily flame or induction hardened.

EQUIVALENTS

AS	BS	DIN	JIS	C	Mn	Si	Ni	Cr	Mo	P	S	Mg	Cu
1831-400 -250-12	2789- SNC 27/12	1693- GGG 40	FC-D45	3.55	0.3	2.5	0.03	0.02	0.01	0.1	0.01	0.04	0.05

CHEMICAL ANALYSIS (%)

NOTES

Ductile Irons differ from the grey irons in that the graphite occurs as spheroids or nodules instead of flakes. The resulting material has a generally higher strength than grey iron, is ductile rather than brittle, tough and readily machined.

APPLICATIONS

Typical applications demanding resistance to corrosion and thermal and mechanical shock in marine, automotive, hydraulic, agricultural, railroad, machine tool and general manufacture.

WARNING: While all care has been taken to provide accurate information here, it should be noted that it is for a guide only and any information must be checked by the manufacturer before being relied upon.

EDCON STEEL

Sydney Metro

Blacktown 15 Carling Road Kings Park
 Brookvale 10/9-13 Winbourne Road Brookvale
 Revesby 122 Milperra Road Revesby

Rural

Bathurst 51 Sydney Road Raglan
 Orange 23 Leewood Drive Orange

1300 233 266
edconsteel.com.au