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MATERIAL DATA SHEET - PBG250

GREY CAST IRON TO JIS FC250

Commonly known as:- 4E, 2P, Grade 250

Typical Applications:-. General purpose cast iron which has good strength and wear resistance and performs well under pressure making it useful for cylinder liners, pistons, glands, piston rings, pulleys, cams, slide rails, manifolds.

Chemical Composition %

Carbon	С	2.8-3.8
Silicon	Si	2.2-2.6
Manganese	Mn	0.5-0.8
Phosphor	Р	<u><</u> 0.15
Sulphur	Si	<u><</u> 0.12
Iron	Fe	Balance

Mechanical Properties

MPA Tensile Strength >220 MPA

Yield Strength > 150

Typical Hardness 170 – 220 BHN

Machinability Very Good

Similar Specifications:- AS 1830-T260; BS 1452 Grade 17; ASTM A48; DIN 1691 GG35; USA #35.

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