

PERFECT GROUP CO	MATERIAL SPECIFICATION	C 04
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Material: Centrifugally Cast Gray Iron.

Application: Cylinder Liner & Sleeves

Specifications

American – Classification ASTM – A 48, Class 30

German – DIN 1691 GG 30

Chemical Composition

Element (%)	C	Si	Mn	P	S	Cr	Ni	Mo
	3,0-3,6	2,0-2,7	0,5-0,9	0,2-0,65	<0,10	0-0,50	0-0,40	0-0,25

Other elements may be present as impurities.

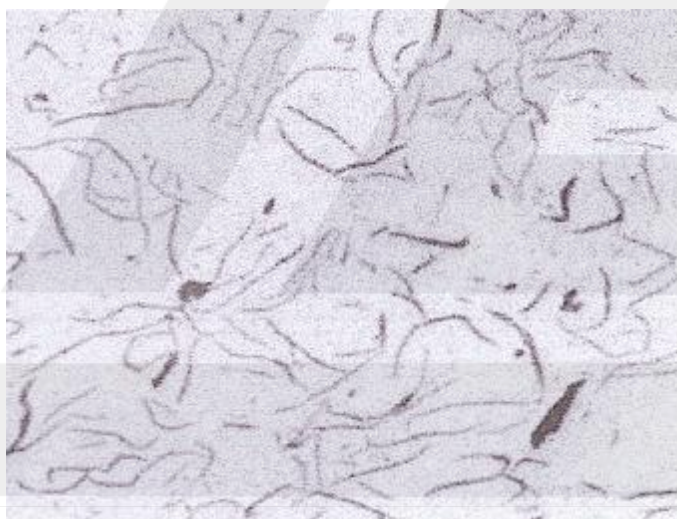
Mechanical Properties

Hardness: 93 – 104 HRB, 210 – 260 HB

Tensile Strength: min. 270 N/mm²

Microstructure

Graphite: Fine, Lamellar and uniformly distributed. Preferably type A, size between 5 and 7.



Matrix: Pearlitic, with ferrite not exceeding 5%.

Note: Variations in composition ranges are admissible on condition that the structure and mechanical properties are not affected.