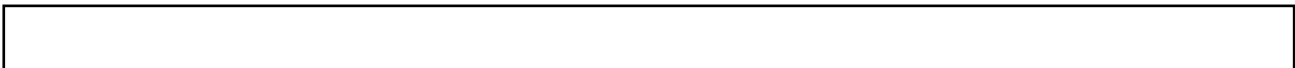

Plant Trials of Formed Coke Charging and Proposal of New Shape of Formed Coke

(Yoshiaki Hara) (Shiro Watakabe) (Toshiyuki
Matsumoto)

:
5 6 (FC) 20 30
3
22 FC FC
78
FC 50
FC FC FC

Synopsis :

Plant trials of formed coke (FC) charging at a blending ratio of 20 30 were carried out for 6 weeks at Chiba Worib00.5 (6)6(e)3 (e e)21.7 ((a)2) (g r)-2.2C6 (a)2.2 ()02E(a)2.2 ()la1n1\$V

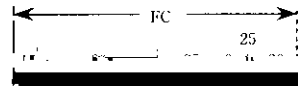


高炉での成形コークス多量使用実験と
成形コークス形状の改善*

川崎製鉄技報
29 (1997) 1, 43-50

Table 1 Properties of FC and NC

DI ₁₅ ⁹⁰ (%)	CSR (%)	JIS Reactivity (%)	Porosity (%)	Average Particle Size (μm)	Apparent Density (g/cm^3)	Bulk density (g/cm^3)	Void fraction	Angle ($^\circ$)
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92

25
Calculated with

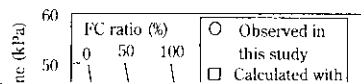
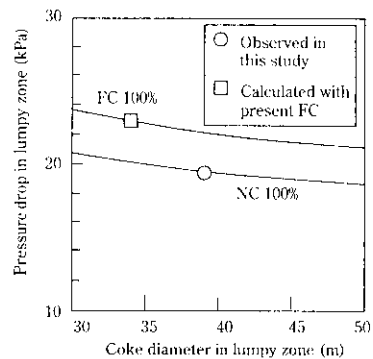
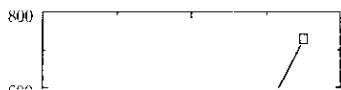
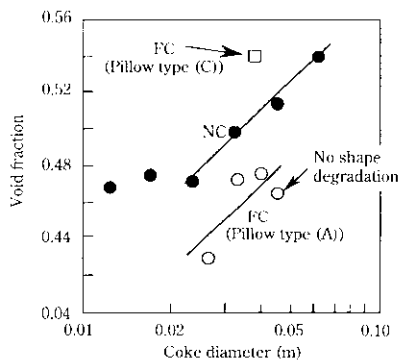


Table 4 Shape of formed coke

Table 5 Observation of inner crack during carbonization

Volume	Dimension
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Heating pattern

(9) FC 比が 0.02 の時、塊状帯での圧力損失は FC 比が 0.01 の時と比べて

1.23 倍に増大した。塊状帯での圧力損失上昇のうち 22% は FC 生せず、空隙率の高い FC が必要である。