

Y X „ Œa R
KAWASAKI STEEL GIHO

焼結体被削性に優れた合金鋼粉*

川崎製鉄技報
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Alloyed Steel Powder for Sintered Compacts with Excellent Machinability



要旨

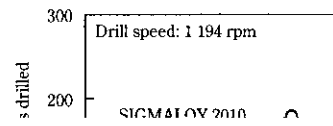
KIP シグマロイ 2010 (2%Ni-1%Mo 部分合金化鋼粉) は, KIP シ
グマロイ A15S (4%Ni-1.5%C-0.5%Mo 部分合金化鋼粉) に比べて

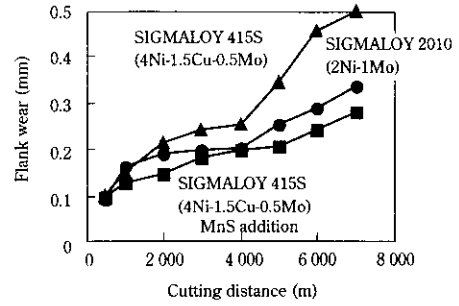
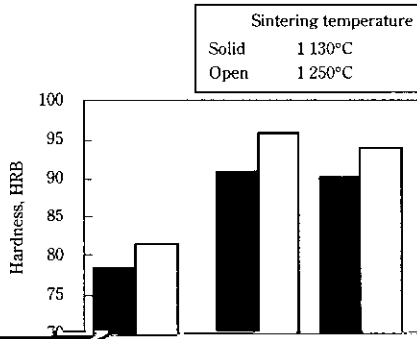
験を行い、被削性を評価した。ドリル穿孔試験は、長さ 55 mm、

500

Drill speed: 1 194 rpm

KIP SIGMALOY 2010
(2Ni-1Mo)





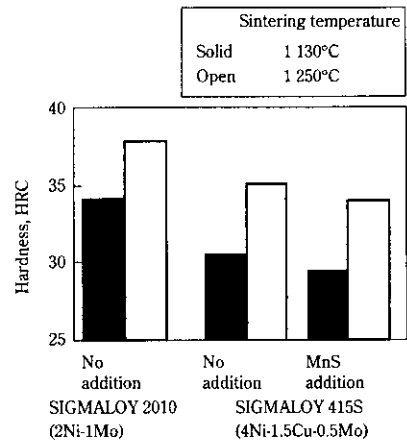
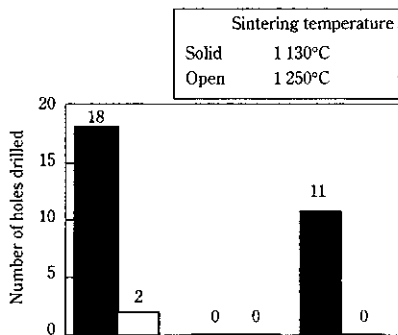
No addition
SIGMALLOY 2010 (2Ni-1Mo)

No addition
SIGMALLOY 415S (4Ni-1.5Cu-0.5Mo)

MnS addition
SIGMALLOY 415S (4Ni-1.5Cu-0.5Mo)

tools for sintered compacts made from Ni partially alloyed steel powders, KIP SIGMALLOY 2010 and KIP SIGMALLOY 415S with 0.5 mass% graphite addition

Fig. 6 Hardness of sintered compacts made from Ni partially alloyed steel powders, KIP SIGMALLOY 2010 and KIP SIGMALLOY 415S with 0.5 mass% graphite addition



415S) を用いた焼結体のドリル穿孔時、旋削時の被削性および熱処 (3) KIP シグマロイ 2010 を用いた焼結体は、1130°C、1250°C 以