

] î0 5r • -ÑP 9x Û 5 r(S#iêaki Takajo)

KIP4600ES † p ° _1* m S

1>#Ni-0.3%Cu-0.2%Mo) B b 4600ES

))É c3> } ? 8 Ç™ Û – ° @ z / b S u _>

690MPa b B g>* 1250 ¥ b!•) >* 690MP

•!c!• ° € † b3? . \$B › † Ø > | g Ö å φ"á c & †

\$B › † Ø c>* † }° \ 360min b •!c>*!•

| : _ , K C6ä\$† K S œ5 5đ(Š 4600ES

9x3? . \$B › † Ø ^]>* q3/E b!•) 4Š b9x ö+

Synopsis :

The densification of sintered compacts by repressing and their properties after heat treatment have been investigated for the compacts made from a new grade prealloyed steel powder KIP 4600 ES andrtid9dder K iti2 ()11.3 (p)-5.5 (ow)16.6 (d)-5.5 (er)0.8 (††)-0.8 (6)90.8 (0)1

•ec bîî^a?} 70t[ArM

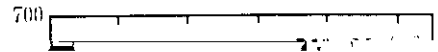
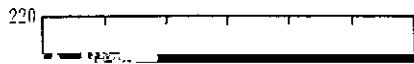
Table 1 Chemical compositions of alloyed steel powders

0.10 C 0.20 Mn 0.05 P 0.005 S



イトを主体とする組織のため硬さが低い。KIP 4600AS, KIP 4100 VS ではペイナイト組織が, KIP シグマロイ 415 では Ni の拡散により一部マルテンサイト化した組織が認められ, 再圧縮性を阻害する原因になる。

2.2.5 熱処理後の焼結



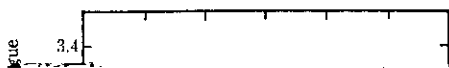


Table 2 Properties of case-hardened compacts made from KIP 4600ES

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