

Investigation of the structure and hardness of quenched sintered materials produced from iron-base alloyed powders (Astaloy E)

ABSTRACT

The effect of heat treatment on the microstructure, hardness and density of sintered (1129°C, 45 min) specimens of iron-base powder alloys containing 0.8 – 2.5% C, 2% Cu and additives of chromium- and molybdenum-alloyed Astaloy E iron powder is studied.

Keyword: Powder metallurgy; Sintering; Iron powder; Heat treatment