

Resource-safe synthesis technology and finish treatment of high-temperature bearing materials on the basis of tool manufactures wastes.

State registration –0110U002325

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Results

There were processed new methods of using valuable secondary resources – grinding wastes of tool manufactures – steels P6M5, P6M5K5, P6M5Φ3 for manufacturing effective composite sliding bearings of high-temperature using. New resources-safe technologies of synthesis and finish grinding of bearing composite from new materials have been developed. They are based of using powder metallurgy methods and following finish grinding. Operating resource of sliding bearings of materials on the basis of steels' P6M5, P6M5K5, P6M5Φ3 wastes were increased of 7-8 times in the comparison with analogues using now.

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