

Antifriction material includes sintered powders of iron, graphite and copper, with localized incorporation of granules, and ferrophosphorus with phosphor content at the level of 25 – 65 %. Granules include copper and graphite, and have dimensions 0.4 – 1.6 mm. Method for obtaining antifriction material comprises of obtaining granules through granulation of the first powder mix, including the graphite and copper powders, of mixing the granules with the second powder mix, including powders of iron, graphite and copper, of forming and sintering the charge thus obtained. First powder mix is granulated by forcing it through calibration rollers of rolling mill, with granules obtaining, those granules are mixed with another powder mix, additionally including ferrophosphorus. The charge is formed through rolling in doze portions by the rollers of the rolling mill, and sintered at temperature 900 – 1020 °C in the environment of protective gas. Element of friction unit has a support element with a smelter-over layer of antifriction material. Support element is made of low-carbon steel and is 1 – 250 mm in thickness. Thickness of antifriction material is 0.7 – 15 mm.