

Method for producing fine-grained graphite includes preparing a mixture containing calcined coke, graphite and coal-tar pitch, forming billets by extruding the mixture through a die, firing the billets, impregnating them with coal-tar pitch, subjecting them to the second firing and graphitization. To prepare the mixture, calcined needle coke, synthetic graphite, coal-tar pitch and, additionally, iron (III) oxide and stearic acid are used, in the following ratio of components, by mass %:

calcined needle coke fraction (- 0,8+0,2) mm	47-57
calcined needle coke fraction (- 0,5+0) mm	13-23
synthetic graphite fraction (- 0,5+0,2) mm	3-7
iron (III) oxide	0.1-0.4
stearic acid	0.1-0.3
coal-tar pitch	the rest.

Wherein, the calcined needle coke used to prepare the mixture is heated to the temperature of 150-190 °C for 20-50 minutes and the mixture is vacuum-treated before forming the billets.