

Grinding powder contains grains of one granularity with different strength, the average strength index of grains determines the brand of this powder. It contains not less than 30 % of grains with average strength index. The method for production of grinding powder includes the distribution of grainy material according to the strength by preliminary application on defective areas of the surface of grains of ferromagnetic particles and subsequent separation of grains in the magnetic field into the magnetic and nonmagnetic powders with different level of the defectiveness of surface and strength. The obtained nonmagnetic powder is separated several times in the magnetic field of constant magnetic field strength with constant value of magnetic susceptibility of interface.