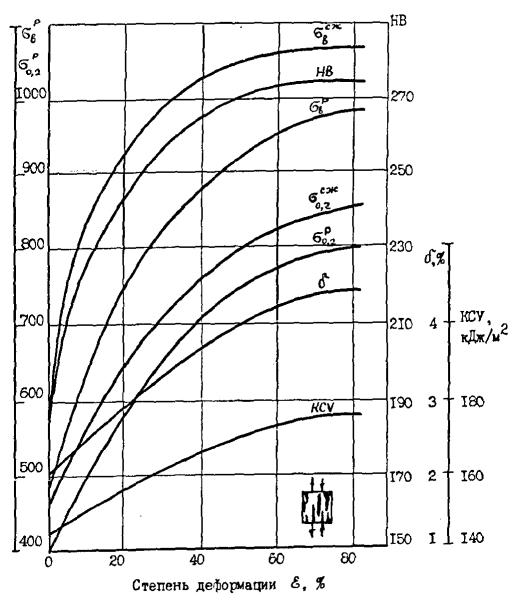


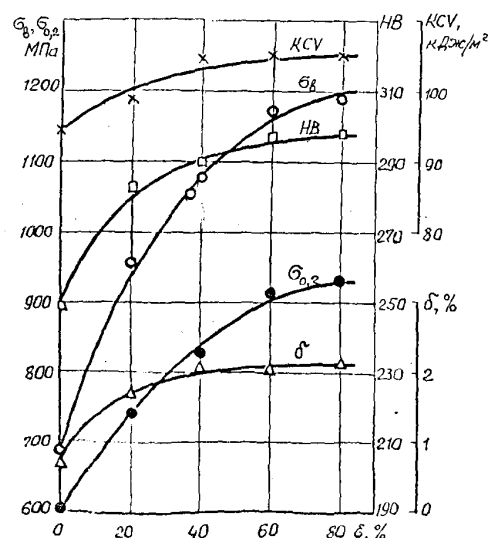


Deformed cast-iron

On the base of investigation of thermoplastic deformation of high-strength cast-iron the technology of production of wares from deformed cast-iron with high working and physical-mechanical properties has been developed. It is determined, that maximal level of properties (in 2 time higher than initial cast-iron) is observed provided degree of deformation comprises 80%. The property of high-strength cast-iron to improve its properties during thermoplastic treatment dose this material perspective for making of power transmission, jobs of piston's group, shafts, collars, gears and so on.



The influence of deformation on mechanical properties of ferritic-pearlitic high-strength cast-iron.



The dependence of physical-mechanical properties of pearlitic high-strength cast-iron from degree of deformation.