ABSTRACT

THE EXPERIMENTAL RESEARCH OF GRAPHITE STRUCTURE TRANSFORMATION AT MECHANICAL MILLING

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The methods of the X–ray analysis investigate transformation of polycrystalline graphite structure at mechanical milling. Is established, that for average interplanar distances d_{002} and d_{110}, and also average sizes of coherent scattering regions L_c and L_a there are intervals of milling time, in which values of structural parameters do not change almost. The presence of clear interdependence between interplanar distances and sizes of coherent scattering regions is revealed.

Key words: graphite, milling, X–ray analysis, amorphization.
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