

### **catalytic graphitization**

The transformation of *non-graphitic carbon* into *graphite* by heat treatment in the presence of certain metals or minerals.

Notes:

Catalytic graphitization gives a fixed degree of *graphitization* at lower temperature and/or for a shorter heat treatment time than in the absence of the catalytic additives (or a higher degree of graphitization at fixed heat treatment conditions). Often it involves dissolution of *carbon* and precipitation of graphite at the catalyst particles so that non-graphitizing carbons can be graphitized by this procedure.

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