Manufacturing Processes and Characteristics of KMFC Powder and KMFC Graphite Blocks*

Synopsis:

A process for producing a new carbon powder, Kawasaki Mesophase Fine Carbon (Brand name: KMFC), has been

blocks. However, with broadening applicable fields of

graphite blocks brought by the advances in manufactur-

pitch matrix by extraction with a strong solvent to

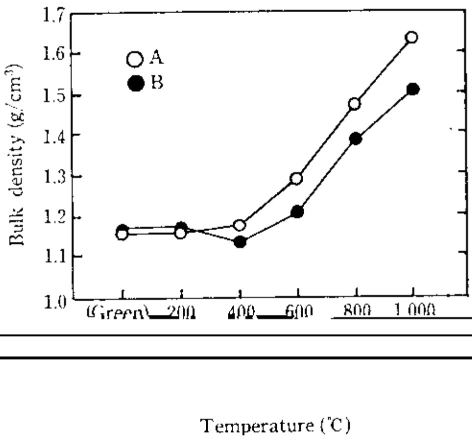
pitches such as quinoline can be directly transformed

[illegible]

ules are applied as raw materials for making graphite blocks.

KMFC powder (wt.%)

[illegible]



[illegible]

compact during sintering process

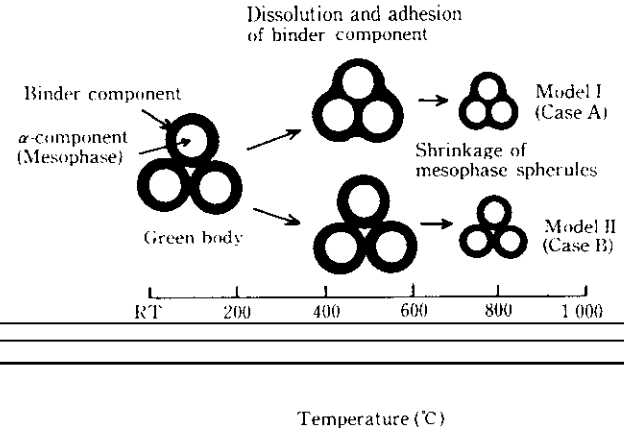


Fig. 7 Sintering model of KMFC

inferred as follows: The high densification and strength [illegible]

Physical property values of KMFC graphite blocks, which are graphitized at about 2500°C, are shown in **Table 2**. Results indicate that KMFC graphite blocks [illegible]

5.3 Relationship between Graphitizing Temperature and Physical Properties

Work piece	Steel (SK3)
Electrode polarity	Positive
Servo voltage	0V
Gap adjustment	GAP (0)

filtration, ③ drying and calcination, and ④ classification. The main features of this process lie in the solvent-extraction and filtration step for coating the