

High Purity Zirconia Powder Produced from Zirconium

[The main body of the report is obscured by heavy black redaction bars.]

[REDACTED]



Hg manometer

5777



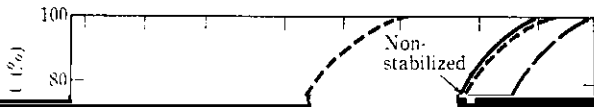
Pirani gauge

ed after holding. As shown in Fig. 3, argon gas was losses occur with the generation of SiO_2 and CO_2

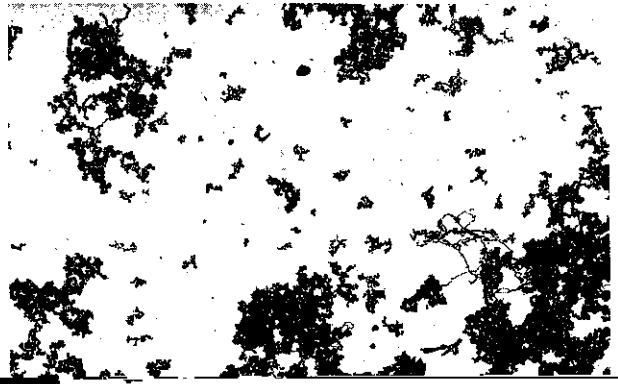
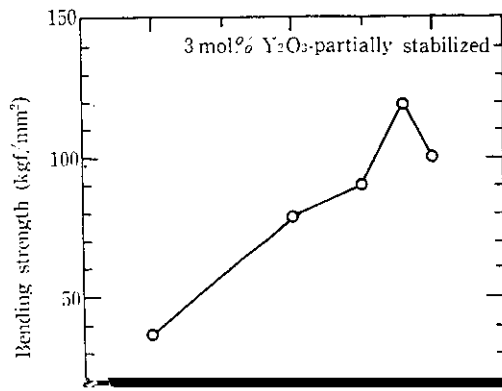
the weight loss. This means that stabilized zirconia can be produced by quite the same process as with nonstabi-



... zirconia is simply by changing the composition of the



pressure contributes not only to the acceleration of the dissociation of SiO_2 from zircon, but also to greatly obtaining zirconia powder with high purity. This is one



6 Conclusions

It was found that high-purity zirconia powder can be produced by a new production method described

tive in obtaining high purities by the vaporization of impurities.

(5) The particle size of obtained zirconia powder is as