

SEMI-ISOSTATIC FORMING OF MONOLITHIC CARBON ARTICLES

by

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Work on laboratory scale samples demonstrated a method for forming carbon mix using a low pressure semi-isostatic molding technique. Further demonstrations were made to form 20" diameter x 20" thick graphite pieces. The pieces were cut to examine structural integrity and physical properties were measured to characterize the material.

The physical properties spanned the range of conventionally formed graphite except that the graphite was more isotropic than that formed by either molding or extrusion.

These demonstrations show that graphite can be fabricated in conventional sizes and indicates that large monolithic articles can be formed without a molding or extrusion press.