

ABSTRACT

This progress report describes continued c-axis compression testing of ingot and zone leveled beryllium crystals under hydrostatic pressures in the range 145 to 293 ksi. Ductile behavior with active non-basal slip activity commenced, with this purity material in the range 250 to 300 ksi. Optical examination and electron transmission microscopy confirmed the occurrence of $\{11\bar{2}2\}$ slip.

Continued equipment design and construction and c-axis specimen preparation is also summarized.

This progress report was prepared for management purposes and is not a part of the technical or scientific literature. The report is preliminary, subject to major change, and will be replaced by a technical documentary report.