

## High Pressure Shock Compression Of Solids Iii Shock Wave And High Pressure Phenomena Pt 3

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The Hugoniot is the result of adiabatic, irreversible shock compression, resulting in a high-temperature state and a pressure offset from the isotherm and isentrope that increases with compression. At lower pressures where shock heating is small, the Hugoniot lies close to the isentrope (neglecting strength effects), but the curves diverge increasingly at higher pressure ( Figure 3 ).

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### Shock wave - Wikipedia

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structure of the high-pressure phase(s) on the quartz Hugoniot remain unresolved. Recently, in situ x-ray diffraction (XRD) measurements under gas-gun loading have shown that fused silica remains...

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