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# Characterization of Potting Materials Under Confined Compression at High Strain Rates and Temperatures



*PRESENTED BY*

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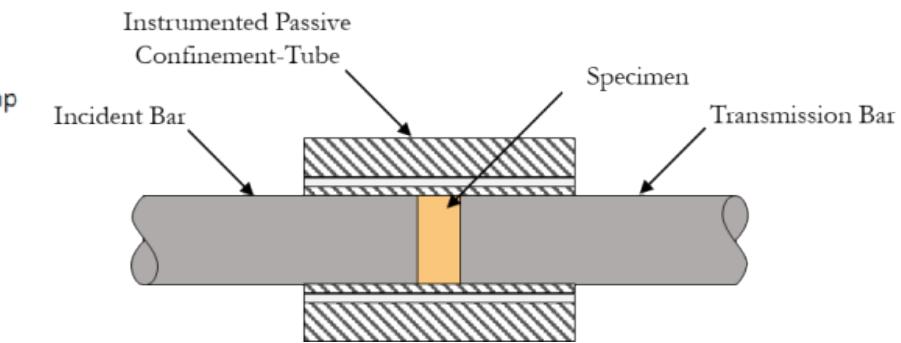
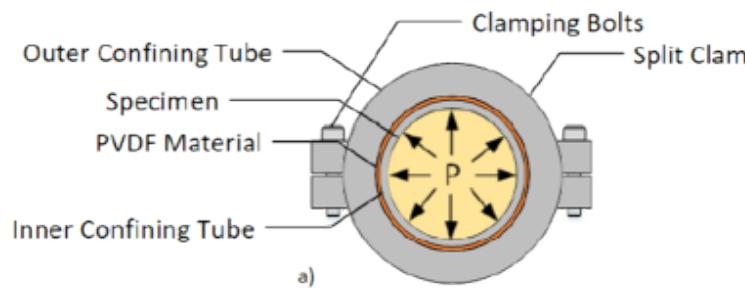
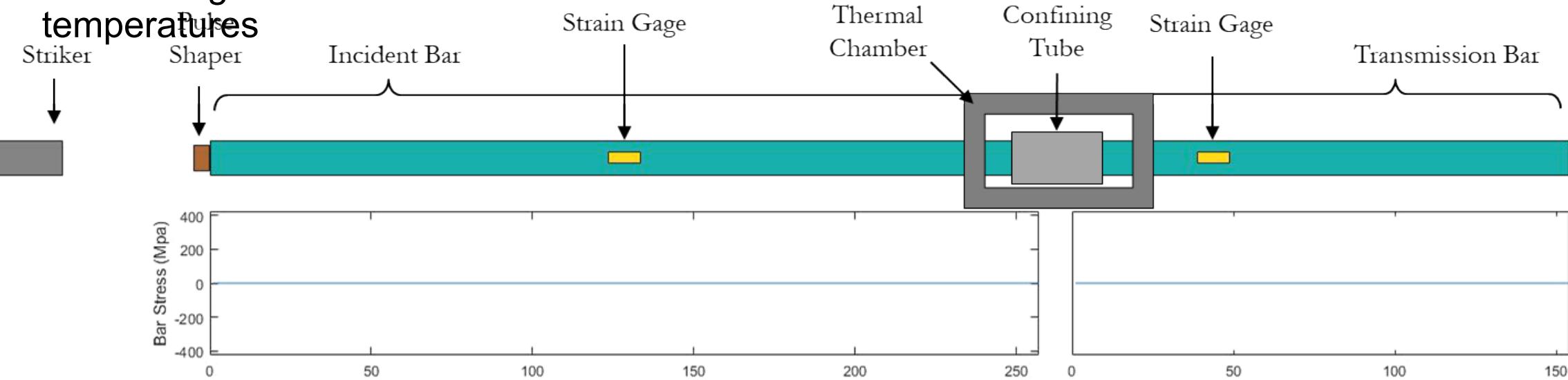


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# Dynamic Confined Compression



A Kolsky Compression Bar coupled with an instrumented passive-confining tube is utilized to characterize the response of potting materials subjected to confined dynamic compression over a range of temperatures



# Materials and Testin Conditions



## 4 materials

- EPON 828
- EPON 828+Glass Microballoons
- Sylgard
- Sylgard +Glass Microballoons

## 3 Strain-Rates

- $200 \text{ s}^{-1}$
- $1000 \text{ s}^{-1}$
- $3000 \text{ s}^{-1}$

## 3 Temperatures

- $-45^\circ\text{C}$
- $22^\circ\text{C}$
- $74^\circ\text{C}$

