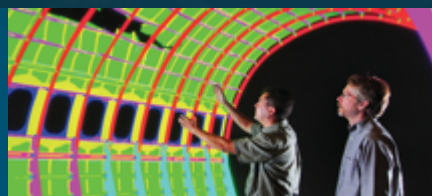




SAND2021-5447C

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



PRESENTED BY

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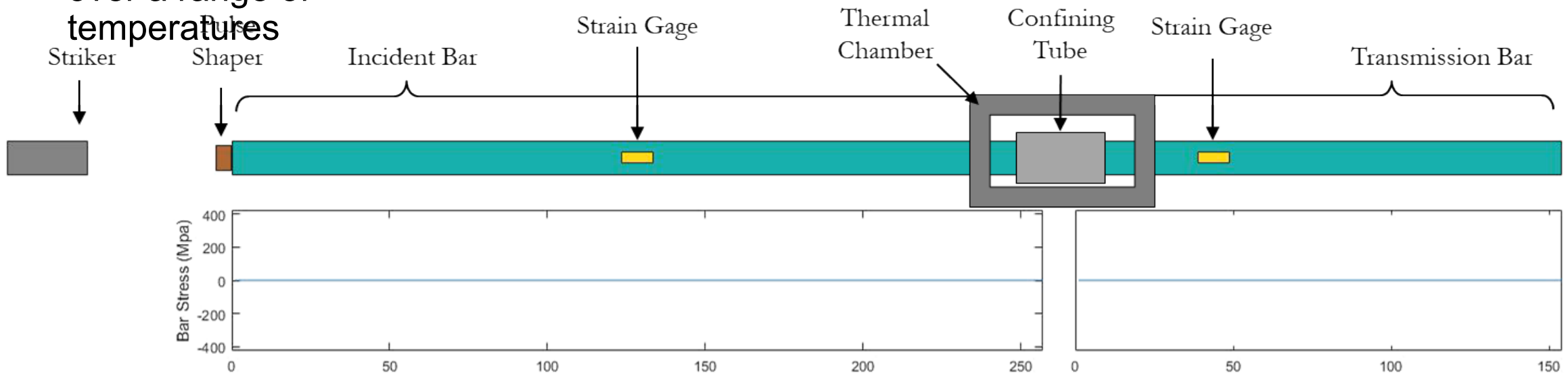
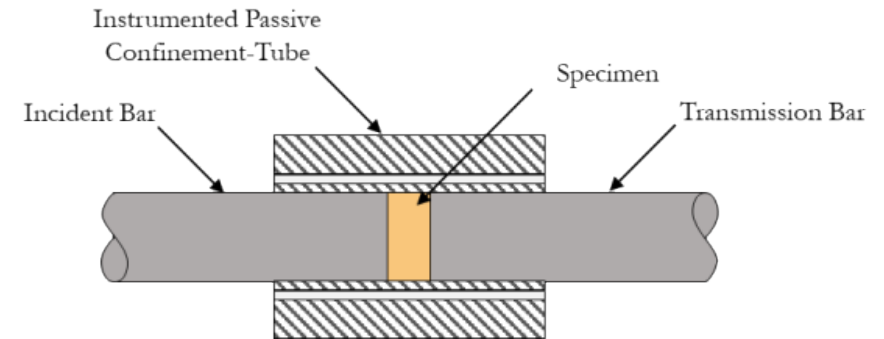
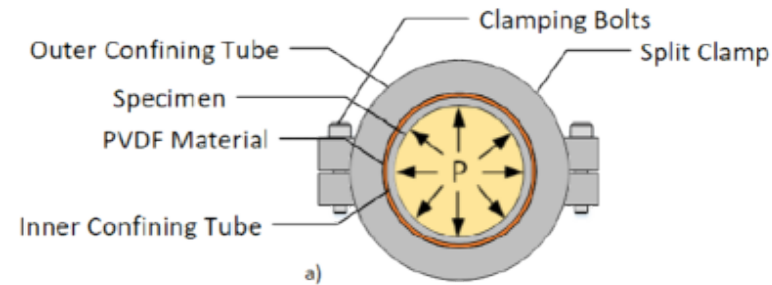


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# Dynamic Confined Compression



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

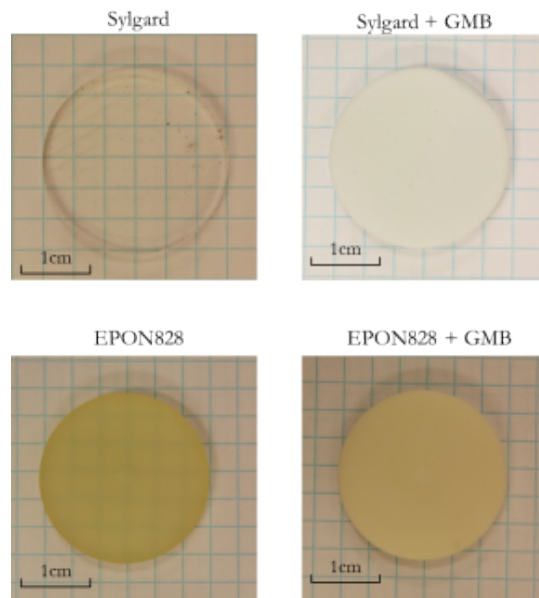
- EPON 828
- EPON 828+Glass Microballoons
- Sylgard
- Sylgard +Glass Microballoons

## 3 Strain-Rates

- 200 s<sup>-1</sup>
- 1000 s<sup>-1</sup>
- 3000 s<sup>-1</sup>

## 3 Temperatures

- 45 °C
- 22 °C
- 74 °C



EPON828 Test Matrix

