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The Effect of Curing Agent on the Dynamic Tensile Failure of an Epoxy Subjected to Plate Impact

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## Highlights

- Tensile/spall strengths and fracture toughness of two thermosetting polymers were characterized under quasi-static and dynamic loading conditions.
- Choice of curing agent was shown to have a significant effect of the spall strength and fracture toughness of the epoxy resin, but no appreciable effect on shock response.
- Spall strength in one epoxy system is shown to be more strongly dependent on the incident shock pressure of loading than the strain rate of unloading.

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