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The dynamic behaviour of Poly (methyl methacrylate) based nano-rubbers subjected to impact and perforation: experimental investigations

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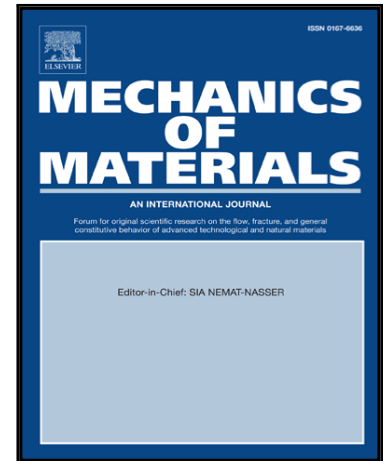
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Highlights

- Dynamic tests were performed on both PMMA and PMMA based nano-rubber.
- The mechanical behaviour of both materials under large range of temperature and strain rate were studied.
- Micromechanical approach was used in order to describe stress-strain curves.
- The impact resistance of materials were compared by means pneumatic gas gun.

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