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devising possible ways of
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microstructure to further
improve the fracture
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most brittle materials the
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posed of two dimensional carbon lattices although the intrinsic mechanical properties of graphene have been investigated at quasi static conditions its behavior under extreme dynamic conditions has not yet been studied we report the high strain rate behavior of multilayer graphene over a range of 'fracture mechanics pinterest

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in brittle fracture no apparent plastic deformation takes place before fracture in brittle crystalline materials fracture can occur by cleavage as the result of tensile stress acting normal to crystallographic planes with low bonding cleavage planes'

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mechanical forces that may result in elastic deformation plastic deformation and fracture of a solid in conjunction with materials

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fails via fracture this is usually determined for a given specimen by a tensile test which charts the stress strain curve see image the final recorded point is the fracture strength ductile materials have a fracture strength lower than the ultimate tensile strength σ_{UTS} whereas in brittle materials'

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