

# Tensile strength and storage modulus

The performance of carbon fiber reinforced composites has been shown to be constrained by the low compression to tensile strength ratio, which blocks its lightweight application. ...

The storage moduli of all the stretched films accord with tensile modulus and decline rapidly around  $T_g$  (drop of  $E'$  at  $T_g \pm 10$  °C), suggesting the stretched films exhibit excellent mechanical ...

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$E'$  (elastic modulus, modulus of elasticity, MOE)  $E''$  (?: storage modulus)  $E''/E'$  (?: loss modulus) [1] ...

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This paper reports a universal strategy for easily preparing hydrogels that are tough and stretchable without any special structures or complicated processes. Tough and stretchable ...

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