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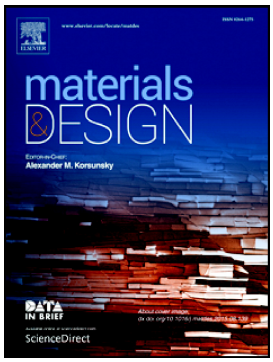

Uniaxial tensile and impact investigation of carbon-fabric/ polycarbonate composites with different weave tow widths

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Uniaxial tensile and impact investigation of carbon-fabric/polycarbonate composites with different weave tows widths

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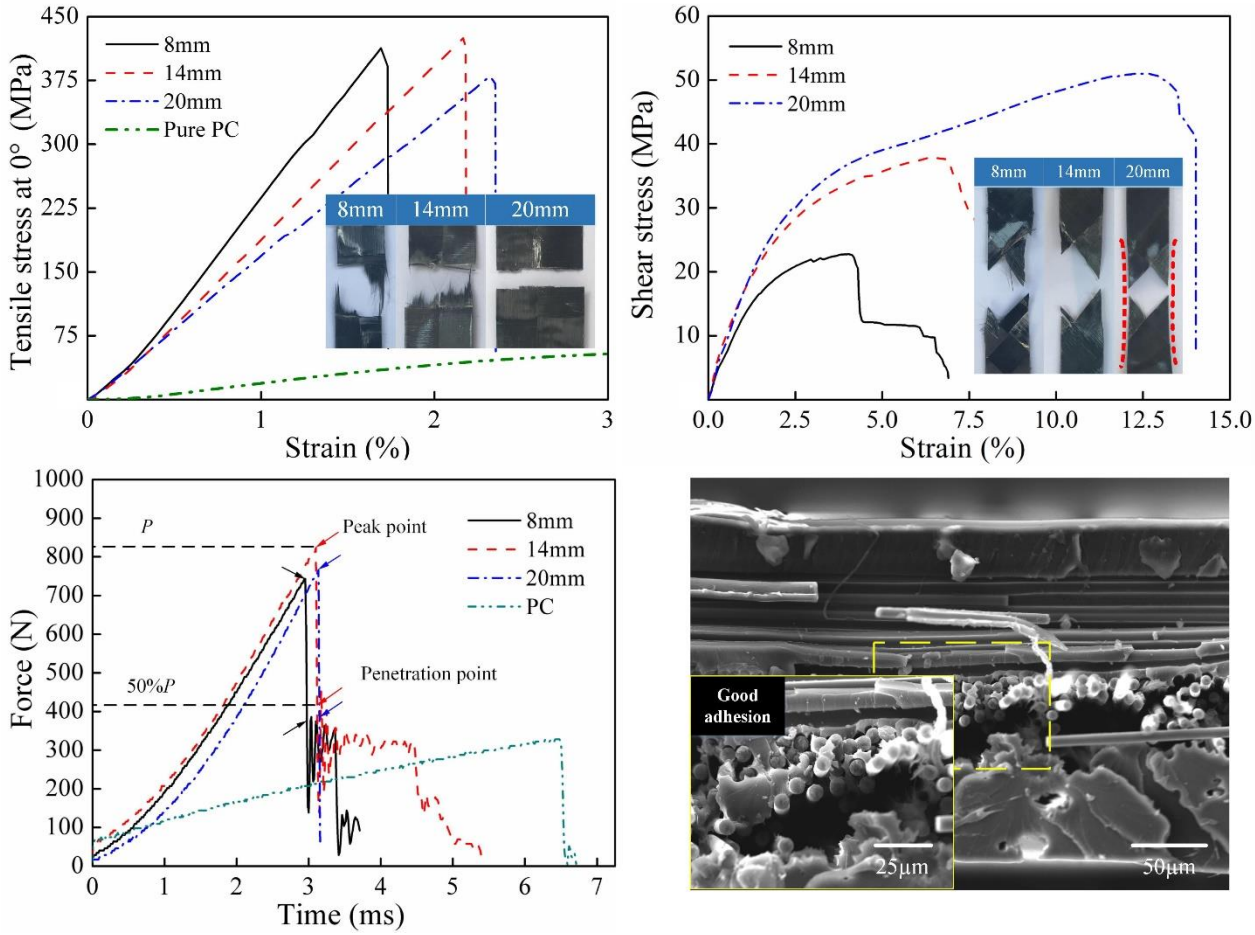
Highlights

1. A single-layered ultra-thin carbon fabric/polycarbonate composite was fabricated.
2. Spread carbon fiber tow improves the carbon fiber-matrix adhesion.
3. Normalized tensile properties of the composite increase with the tow width.
4. Normalized impact properties of the composite increase with the tow width.

Graphical abstract



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