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Effects of particle size, particle/matrix interface adhesion and particle loading on mechanical properties of particulate–polymer composites
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Different industries have different needs in the manufacturing of carbon fiber composites. The Composites Manufacturing and Simulation Center (CMSC) works with a range of industries to ensure they have the control of material microstructure to achieve specific stiffness and lifetime performance of their product.
A composite material (also called a composition material or shortened to composite, which is the common name) is a material made from two or more constituent materials with significantly different physical or chemical properties that, when combined, produce a material with characteristics different from the individual components.