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Introduction to Composite Materials

1. Introduction. Composites exist in nature. A piece of wood is a composite, with long cellulose fibres

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Introduction To Composite

Materials held together by... 2. Polymer matrix.

In general, a composite consists of three components: (i) the matrix as the continuous phase; (ii)...

3. Reinforcements. ...

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Materials introduction One of the definitions for a composite material, made of two constituents, one is fiber (the reinforcement) and the other is glue (the matrix), states that a combination of the two materials would result in properties better than those of the individual components

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Composite materials is a mixture of two or more materials (which have completely different physical or chemical properties) leading to higher

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Materials than the individual components. The components maintain their identity within the composite, i.e., they do not dissolve or completely merge into one another, though they act in concert.

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Composites are made from two or more distinct materials that when combined are better (stronger, tougher, and/or more durable) than each would be separately. The word

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Materials usually refers to the fiber-reinforced metal, polymer, and ceramic materials that were originally developed for aerospace use in the 1950s.

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What is a Composite? A composite

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Materials is composed of at least two materials, which combine to give properties superior to those of the individual constituents. For our website we refer to fibre reinforced polymer (FRP) composites, usually with carbon, glass, aramid, polymer or natural fibres embedded in a polymer

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