

Introduction To Materials Science For Engineers Shackelford Solutions

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Composite materials consist of two main materials. 1.Reinforcement(Strong load carrying material) EX: aramide, carbon ,fiberglass 2.Matrix (imbedded weaker material) EX: polypropylene ,polyvinyl chloride etc. Composite Materials offers 1.High Strength 2.Light Weight 3.Design Flexibility •Transfer Load to Reinforcement •Temperature Resistance •Chemical Resistance •Tensile Properties •Stiffness •Impact Resistance

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