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(57) Abstract :

The most crucial problems of current plastic materials are in weight, non- biodegradable and expensive. Although natural fibres have similar properties to the synthetic fibres there are still several other challenges presented by natural fibres. Such as large variability of mechanical properties, lower elongation, problems with nozzle flow in injection molding machines, and poor resistance to weathering. The major challenge is the water absorption of natural fibres. Concrete is the most widely used construction material in the world due to its ability to get cast in any form and shape. It also replaces old construction materials such as brick and stone masonry. The mechanical strength of concrete can be changed by making appropriate changes in its ingredients like cementitious material, aggregate, water and by adding some special ingredients. Hence concrete is very well suitable for a wide range of applications. Generally, concrete is a material that is strong in compression and weak in tension. Recently the use of natural fiber in reinforced concrete has increased tremendously. The environmental issue requires materials which are biodegradable.

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