

Successful Biocomposites in Toys, Furniture and Consumer Goods

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WPC are mainly produced in extrusion technology for decking, while NFC have been mainly produced by compression moulding, especially for the automotive sector. Today, biocomposites are increasingly conquering other markets in a wide range of areas. Since natural and wood fibre composites advances in injection moulding technology and 3D printing, both materials are of great interest to a variety of applications. New promising synergies lead to innovative production processes and innovative products. More and more companies are using wood fibre and natural fibre-based granulates in consumer products such as musical instruments, electronic devices, furniture, tables, toys, combs, tablets or even 3D printer products. The unique appearance and special feel give a high-quality expectations and are well received by customers. It seems as if these materials come out of their niche, in order to reach production numbers on the industrial scale soon.

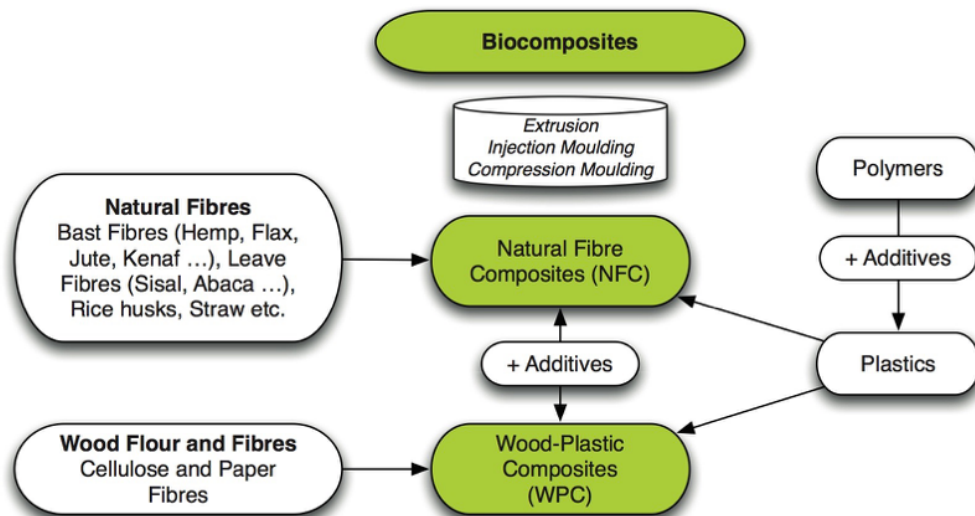


Figure 1.1: Description of biocomposites (nova 2014)