

## METHOD TO FORM A HIGH STRENGTH MOULDED PRODUCT

### Abstract

A method to form a high strength moulded product is provided. The method begins by preparing a mouldable composition. The mouldable composition comprises  
5 between about 40 to 60 wt % of a fibre mixture and between about 15 to 45 wt % of an adhesive. A mould cavity is loaded with the mouldable composition up to about 90 % of the capacity of the mould cavity before applying a packing pressure of between about 435 to 870 psi to the mouldable composition. A predetermined clearance of between about 0.1 to 0.5 mm is maintained between a first mould part defining the mould cavity and a  
10 second mould part. The moulded product is removed from the mould cavity when the mouldable composition is substantially cured.

Figure 5