



## Noi aplicații ale fibrelor agricole. Compozite rigide pentru elemente de construcții

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There is a growing interest, in using the agro-fibers as reinforcing components for thermoplastics, in order to obtain panels for buildings, either to complement or even to replace wood in such composite materials. The polymer-wood materials (PWM) are composites made by a thermoplastic polymer as matrix and wood cuts up to 70% as filler. In general terms, composite panels made from agricultural fibers are somewhat poorer in quality than those made of wood; but, blending in small amounts (10 to 20%) of agricultural fibers does not affect the properties of wooden panels and reduces the material costs. A very important aspects considering the pollution . these composite materials can be obtained from polymer and agro-fibers wastes and can be used for manufacturing packages, building materials and other ones. This paper provides an overview on the methods how agrofibers, alone or in combination with wood fibers, can be used for building components.