

Natural fibers/biodegradable polymers tandem

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A series of natural cellulosic fibers and biodegradable polymers will be considered for preparation of nonwoven composites with a strong sustainable character. Biodegradable polymers of synthetic origin will be presented as opposed to polymers obtained from 50% or 100% biobased sources. Bioderived plasticizers and halogen-free fire retarding compositions will be presented as items which should be taken into consideration when sustainability and biodegradability of cellulosic fibers/polymer composites are discussed.