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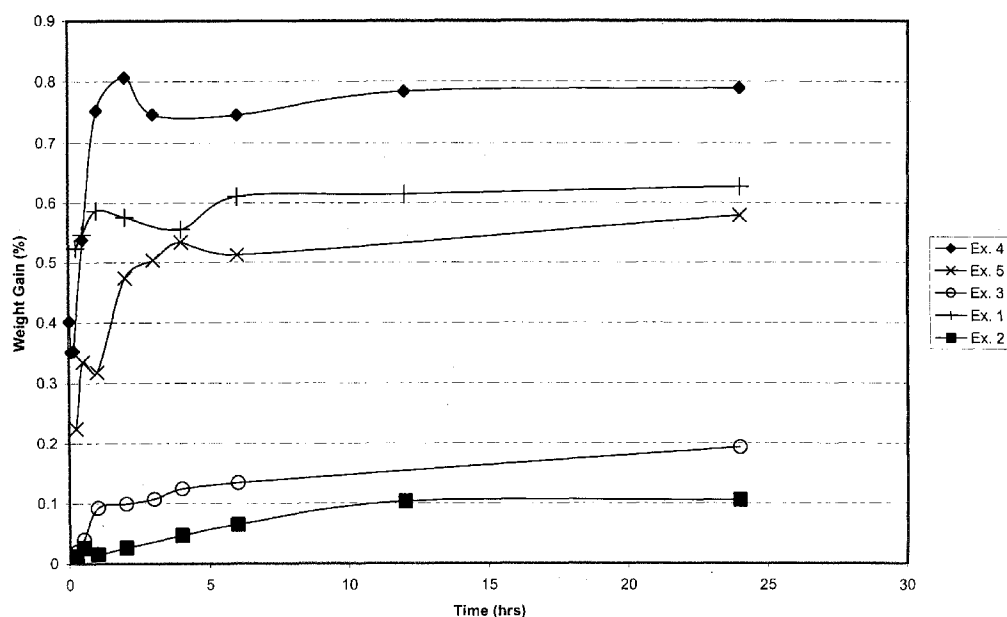
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(54) Title: FLEXIBLE BALLISTIC COMPOSITES RESISTANT TO LIQUID PICK-UP, METHOD FOR MANUFACTURE AND ARTICLES MADE THEREFROM



(57) Abstract: Flexible ballistic resistant composite material that has improved resistance to pick-up of water and other liquids, the composite material comprising a plurality of non-woven fibrous layers. The fibrous layers are formed from a network of high tenacity fibers (aramid fibers, extended chain polyethylene fibers and/or rigid rod fibers). The fibers are embedded in a matrix of a thermoplastic polyurethane resin. Preferably, at least two adjacent fiber layers are oriented in a cross-ply arrangement with respect to each other. Flexible armor, such as body vests, are provided which are formed at least in part from the flexible composite material.

WO 2007/097780 A3



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