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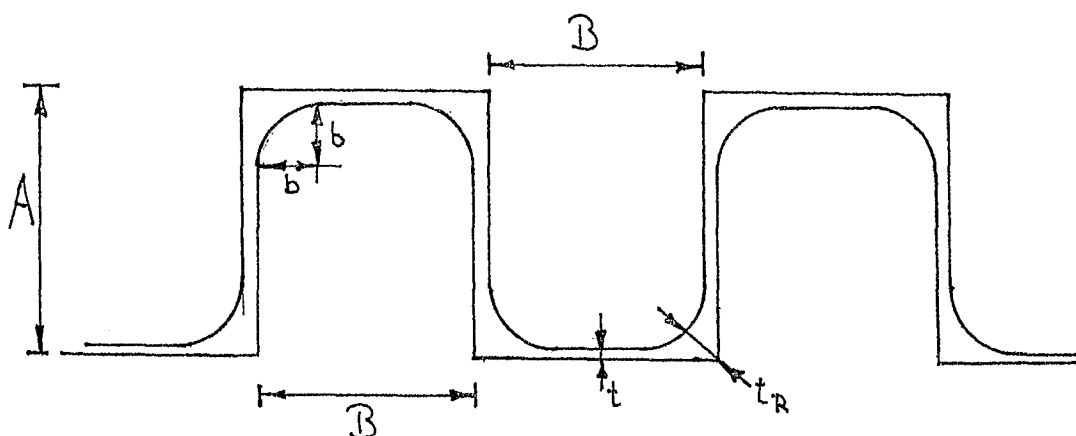
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(54) Title: STRUCTURED PLATES COMPRISING WASTE POLYMERS AND A PROCESS FOR PRODUCING SUCH PLATES



(57) Abstract: The invention described herein pertains structured plates comprising waste polymers and a process for producing structured plates comprising waste polymers. The structured plates have two non-planar surfaces and are optimised regarding mechanical strength and fluidic or flow properties. The structured plates according to the present invention are suitable for applications in the field of geosynthetics and can be used as drain or drainage mat. Said structure used as drain or drainage mat makes larger flow channels possible without loss in mechanical stability. The structured plates according to the present invention combine in a unique way three advantages: By not simply increasing the overall wall thickness to improve mechanical stability but by reinforcing certain areas of the structured plates the mechanical stability can be equally improved. Because of the shape of the reinforcement at the same time the fluidic or flow properties are improved by avoiding edges in the flow channel. Furthermore the use of waste polymers allows production of the structured plates according to the invention at less expenditure as prior art structured plates.

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