

Title (en)
METHOD AND DEVICE FOR THE PRODUCTION OF AN ENDLESS HONEYCOMB BELT

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Application
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Abstract (en)
[origin: US4992132A] The invention relates to a process and an apparatus for the production of an endless honeycomb band, consisting of flatly adjacent, partially bonded strips, which band can be drawn out by stretching in band longitudinal direction to form a honeycomb. Film sheets are continuously drawn off from a plurality of coils, provided on one side with equally spaced glue strips running mutually parallel in the sheet longitudinal direction and subsequently being laid one on top of another. The gluing is performed with a hotmelt adhesive, which is sprayed onto each film sheet in the form of a plurality of strips. The glue strips of the one film sheet are arranged offset with respect to the above-lying or below-lying film sheet by half a strip spacing in each case. The multi-ply film band is then treated for the intersetting of its individual plies by pressure and/or temperature and is finally divided transversely into sections of the desired width, which are stacked one on top of the other and pressed to form the endless honeycomb band. Film sheet sections of the same length are cut off, after the setting of its plies, from the end of the film band lying at the front in conveying direction, and are placed in layers one on top of another into intermediate stacks, which are pressed individually into packs. The packs are successively divided up into band sections, which are pressed to form the honeycomb band under the application of heat and subsequently cooled.

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Cited by
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