

Title (en)  
MOLD

Title (de)  
FORMWERKZEUG

Title (fr)  
MOULE

Publication  
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Application  
**EP 16738723 A 20160708**

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Abstract (en)  
[origin: WO2017016845A1] The invention relates to a mold for an apparatus used for manufacturing particle foam articles. The mold delimits a mold cavity. The mold comprises a cavity chase (12) and at least one mold plate (13) that is movable relative to the cavity chase. The cavity chase is characterized in that it has front walls (16) that are more rigid than the inner wall (15) facing the mold cavity. According to another aspect of the invention, the mold plate comprises a reinforcing structure that is designed independently of a hollow chamber structure (23) of the mold plate, and vapor is conducted exclusively through the hollow chamber structure of the mold plate. Furthermore, fins (45) of the hollow chamber structure can be slanted so that condensed water forming in the hollow chamber structure flows away from the inner wall of the mold plate. According to a further aspect, a sealing element (33) surrounds the mold plate. Said sealing element is designed as an inflatable tube.

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