

Abstract**Pressure-dependent mould-foaming of poly(meth)acrylimide particles in closed moulds for the production of rigid foam cores**

- 5 The invention relates to a process for the production of mould-foamed poly(meth)acrylimide (P(M)I) cores, in particular of polymethacrylimide (PMI) cores, which can be used by way of example in automobile construction or aircraft construction. A feature of this process is that polymer granules or polymer powder preheated under pressure are moreover charged under pressure to a compression
- 10 mould where they are foamed with depressurization. In particular, a feature of the process is that it optionally uses a preferably two-shell compression mould for the heating and also for the cooling of the granules and, respectively, the rigid foam core formed therefrom.