

Title (en)
SHAPING TOOL FOR INFORMATION CARRIER DISC BLANKS

Title (de)
FORMWERKZEUG FÜR INFORMATIONSTRÄGERSCHEIBEN-ROHLINGE

Title (fr)
OUTIL DE FORMAGE POUR EBAUCHES DE DISQUES SUPPORTS DE DONNEES

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Abstract (en)

[origin: WO0016957A1] The invention relates to a shaping tool for the injection molding or injection compression of information carrier disc blanks (11) made of polymethacrylate plastic which is suited as a component of an injection molding or injection compression machine. The shaping tool is comprised of two mold parts (1, 2), whereby one mold part (1) contains a bottom part (8) of a mold with the information data and, together with the second mold part (2), forms a cavity for the one information carrier blank and one sprue bush (4) for a sprue piece (5) in the tool having a concentrically positioned feed orifice (6). In addition, the tool comprises a impact cylinder (9) for shearing the sprue piece (5) and has an ejector pin (10). The invention is characterized in that the injection gap (SP) between the feed orifice (6) of the sprue piece (5) and the information carrier disc blank (11) is less than 0.3 mm. In addition, the cutting gap (SN) between the edge of the impact cylinder (9) and the information carrier disc blank (11) is less than 0.2 mm.

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