THERMOPLASTIC RESIN FOAM AND PRODUCTION PROCESS THEREOF

ABSTRACT

Disclosed is a die plate (4) for a die block having a coat-hanger-shaped flow path (1) for extruding a molten foamable thermoplastic resin in a form of a sheet. The die plate (4) is for arrangement on a downstream side of the coat-hanger-shaped flow path (1) to make a flow rate of the molten foamable thermoplastic resin uniform in a width direction. The die plate (4) is provided with a multiplicity of delivery apertures (3). In the delivery apertures (3), the delivery apertures (3) in opposite side regions (a and a') have a diameter (α) greater than a diameter (β) which the delivery apertures (3) in a center region (b) have. A die unit composed of a die block, which has a multiple bifurcated manifold (2) terminating in plural coat-hanger-shaped flow paths (1) at downward ends thereof, and a like plural number of similar die plates as described above; a process for producing a wide thermoplastic resin foam by using the die unit; and the wide thermoplastic resin foam are also disclosed. (Figure 1)