

HOT RUNNER SYSTEM FOR MOLDING PREFORMS

ABSTRACT OF THE DISCLOSURE

There is provided a hot runner system comprised of a cylindrical runner block 4 which has a hot runner 12 extending through a core portion thereof to communicate between a gate formed on a lengthwise central portion of a side surface of the runner block 4 and the interior of each of a plurality of nozzle members 3, the runner block 4 being enclosed by band heaters 15, blocking members for the hot runner 12, and support plates 6 standing on a base plate 8 and fitted to both end portions of the runner block 4. The blocking members 16 are fitted into both the end portions of the runner block 4. Heaters 22 and 23 are arranged into the core portion and around the periphery of each blocking member, respectively, for compensating for heat loss due to heat radiation and heat transfer to the support plates 6 and for keeping the temperature of each end portion of the runner block in a predetermined temperature range.

Figure 1

