

10 Improve dimensional precision

Dimensions precision of a molding products

Resource consumption cut

Productivity UP

Added Value UP



Are you satisfied with the dimensional precision of the molded products?
Increase dimensional precision by microcellular foam injection molding.

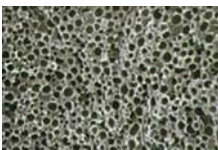
Micro Cellular Foam Injection Molding Technology (MuCell®)

Overview

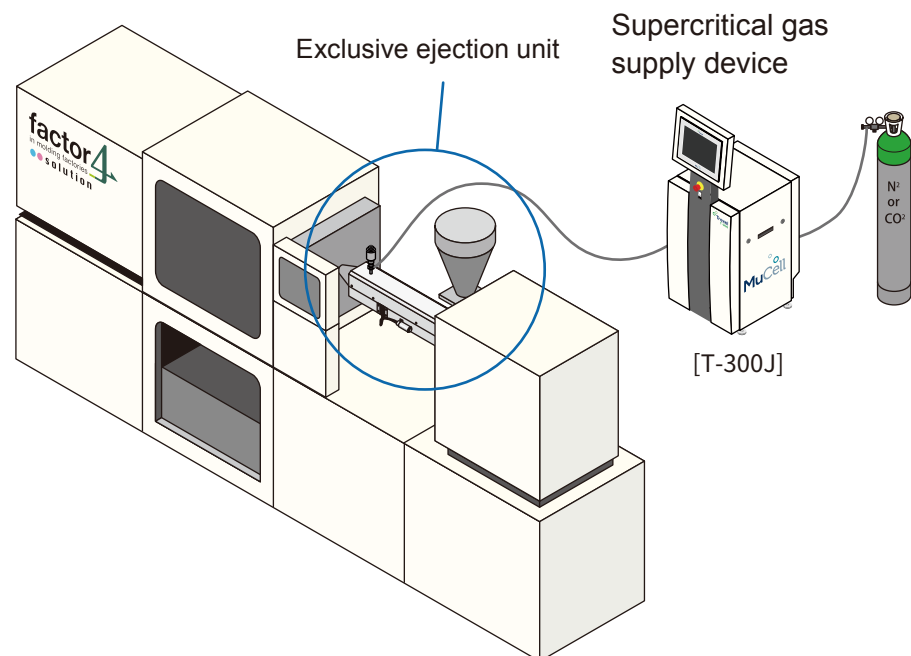
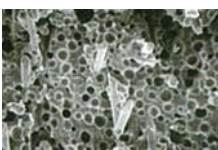
This micro cellular foam injection molding technology is provided by TREXEL Inc. (U.S.A.) Directly injects super critical fluid that is vesicant into the injection unit (Plasticization unit) of the injection-molding machine. The process resin will dissolve fully in the mold by the injection machine and will form the ultra-fine foam condition in the molded products.

• Microcellular

Glass-fiber filled



Non glass-fiber



Features

- Curve becomes small because breaks dwell pressure application almost in MuCell.
- Inner warp and the curve becomes small because filling pressure becomes low with plasticization effect of super critical fluid.
- No limitation in rib arrangement is necessary for reinforcement and no form maintenance because no sink marks occurrence.

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