

11 Reduction in part weight

Resource consumption cut

Productivity UP

For Every Molded Item

Added Value UP



A combination of RHCM[®] and MuCell[®] micro cellular foam injection molding enables lighter molded items and improved appearance.

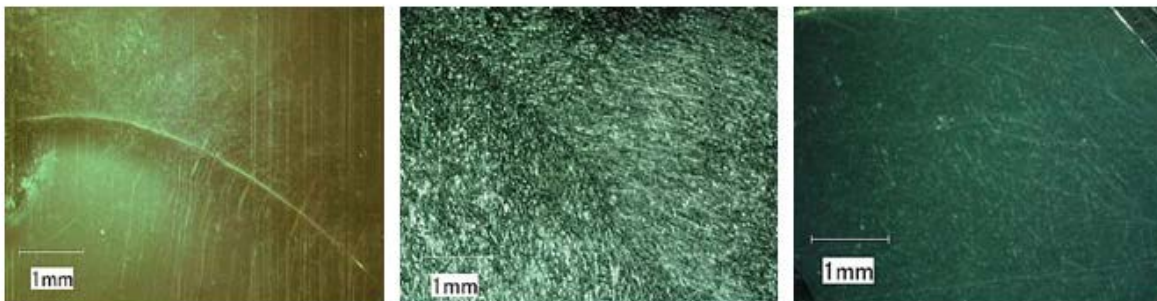
R&M Molding System

Overview

Same as MuCell[®] micro cellular foam injection molding, in R&M molding, the foam cell becomes greater and breaks at the flow end during the process of filling the mold cavity with foaming material. Swirl marks remain on the product surface during filling. However, at the end of filling, the internal pressure is increased so that transferring is conducted, and the swirl marks disappear.

• Photograph of surfaces around the weld lines.

Photograph shows magnified views of the surfaces around the weld lines. The weld line is almost even but a remarkable trace of broken bubbles remains along the direction of flow on the MuCell[®] micro cellular foam injection molding product. The R&M product shows no weld lines or swirl marks.



Conventional injection molding

MuCell[®]

R&M

Features

- The surface quality of MuCell[®] micro cellular foam injection molding product can be improved by RHCM[®].
- It covers over swirl marks typical to MuCell[®], while maintaining all the advantages of MuCell[®] such as dimensional stability, elimination of warpage/sink mark.

R&M, the combination of RHCM[®] and MuCell[®] micro cellular foam injection molding is a patented intellectual property of OSK (Ono Sangyo Co., Ltd).

