

研究論文

リサイクルガラス繊維を用いたBMCの基本物性

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Basic Properties of BMC Made from Waste FRP-derived Glass Fibers

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BMC (Bulk Molding Compounds) with glass fiber from waste FRP (Fiber Reinforced Plastics)-derived glass fiber through depolymerization of unsaturated polyester under ambient pressures and general products were compared. It was found that the thickness of BMC made from waste FRP-derived glass fibers were larger than general products and those of the glass fiber in BMC were around 0.4mm in length. Bending strength of BMC made from waste FRP-derived glass fibers were a little lower than those of the general products and it was confirmed that the BMC made from waste FRP-derived glass fibers included air-bubble void.

Key Words : Recycle, Waste FRP, Ambient pressure, Glass fiber, BMC