

**Property Improvement of the Mold Resin for Propulsion Coils of
Magnetically Levitated Transportation System by Adding Core-Shell Grain**

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For the magnetically levitated transportation system, a huge number of ground coils will be required for outdoor use over an extended period. Therefore, securing stable performance is an important issue in addition to cost reduction in development of ground coils. The durability verification of various properties including those of the materials and the finished products under actual service conditions is essential in securing the total reliability of the magnetically levitated transportation system. We therefore examined property improvement of the mold resin for propulsion coils by adding core-shell grain.