

## **Deformation Behavior of Interior Components in the Event of Train Collision**

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Passengers have a risk of getting injured in collision with interior components in the event of train crash. In order to lower the risk of passengers getting seriously injured, it is important to figure out the situation of collision between passengers and interior components. In this investigation we intended to figure out the behavior of interior components when passengers collide with them. We got mechanical properties of interior materials by performing tensile tests. Besides, we examined the behavior of boards made of each interior material by striking them with an impactor and carried out the reproduction analysis.