

## **Combustion Performance of Materials for Railway Rolling Stock under Large Radiation**

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In Japan, based on the results of combustion examinations, the division of combustibility of the materials of the railway rolling stock is prescribed according to the environment in which they are used, which contributes to ensuring the safety from fire. However, in recent years, fire accidents severer than the assumptions on which conventional combustion examinations are based have occurred. Therefore, such combustion examinations do not sufficiently cope with the situation because they are based on low radiation and qualitative. Therefore, the quantitative grasp of combustive characteristics under large radiation is necessary because the combustion examinations conducted in Japan is based on low radiation and qualitative compared with those conducted in foreign countries. Therefore, assuming large radiation, corn calorie meter combustion examinations were carried out for railway carriages used in Japan.