

Development of Sliding Sheet to Prevent Rail Pads from Slipping out for Rail Fastening Device Type-8

Daigo SATO Minoru SUZUKI
Shingo TAMAGAWA Tadashi DESHIMARU

The sliding sheet made of ultra high molecular weight polyethylene has been developed, which is inserted between the rail and the rail pad to maintain the stable contact between them. Rail creep tests on the rail fastening device type-8 were conducted to evaluate the effect to prevent the rail pad from slipping out. As the results, it was found that the sliding sheet can maintain the rail pad at the original position against the rail creep force, while the sliding sheet does not affect the resistance to the rail creepage of the rail fastening system.