

A Review on Important Factors Affecting Dry Sliding Friction

A. Devaraju*

Department of Mechanical Engineering, Adhi College of Engineering and Technology, Affiliated to Anna University
Kanchipuram - 631 605, Tamil Nadu, India; adevaa2011@gmail.com

Abstract

Friction is the resistance faced by one body when it slides or rolls over another body. The friction is not a property of material. It is a response observed during sliding or moving. The maximum friction is required in some applications such as automobile tires on the road, machining the materials, brakes, clutches etc., Alternatively, the friction should be low in some applications like bearings, sliding parts of machineries etc., Most of material failure is occurred due to improper observation of friction and wear behaviors. Hence, understanding of the frictional behaviors of various metal pairs is essential to design any engineering tools and equipment. Therefore, in this paper, the important factors affecting the sliding friction are described in detail.

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