عنوان مقاله:

Experimental investigation about fracture and resistance of PVC plastic comb binding due to the impact with the ground

محل انتشار:

دومین همایش ملی پژوهش های کاربردی در ریاضی و فیزیک (سال: 1393)

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خلاصه مقاله:

Due to their low cost of manufacturing, light weight, and its flexibility, Polyvinyl chloride (PVC) are widely used in large equipment such as plastic comb binding. In order to design and improve resistance and durability of PVC base plastic comb binding, it is important to understand and predict the resistance, damage and fracture behavior of PVC comb binding during fall from height.We analyze the damage patterns and weight change in the plastic comb binding related to increasing fall height. Analysis of the distribution of forces and stresses based Experimental results can be used to find a solution to prevent the failure of the materials in similar circumstances

کلمات کلیدی:

Polyvinyl chloride, plastic comb binding, impact, weight, energy distribution