

عنوان مقاله:

Comparison between the tensile strength and micro hardness of Nano adhesives

محل انتشار:

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تعداد صفحات اصل مقاله: 2

نویسندگان:

M JALALI - MSc student, Department of Mechanical Engineering, University of IUST

H khoramishad - Assistant Professor, Department of Mechanical Engineering, University of IUST

خلاصه مقاله:

In this research improvements in mechanical properties of an epoxy adhesive modified by graphene oxide nano-plates (Gops) were investigated by tensile testing and Micro-indentation. Single lap adhesive joints were manufactured using and unreinforced and adhesives and tested under tensile loading and microindentation. The results showed that the shear strength and the micro-hardness of the adhesive were improved by 29% and 10% respectively, by adding 0.1 weight percentage of Gops to adhesive. However the shear strength values of 0.1 wt% were declined by 13% than by 0.3 wt% shear strength of 0.3 wt

کلمات کلیدی:

Adhesive joint, Graphene oxide nanoplate, Micro indentation, Hardness test, Tensile strength

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