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## Effect of gamma radiation on some mechanical properties and thermal conductivity for pure epoxy resins

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ABSTRACT

In this researcher, the hardness, impact strength, wear rate and thermal conductivity of pure epoxy resin were measured. Before and after the gamma rays are irradiated from <sup>60</sup>CO at an energy rate (1.33) MeV and radiation doses are different (6.8 and 10) kg. The results obtained showed a decrease in the values of hardness and impact strength after irradiation if compared with the results before the samples were exposed to radiation, while the values of corrosion rate and thermal conductivity increased