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Influence of dose rate irradiation on polymers properties

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Influence of dose rate irradiation on elongation at break, strength at break and density was evaluated on insulation of cables NSKFA, NSKA and CXFE-V. It was applied gamma irradiation and reactor irradiation. It was performed a experimental comparison among three dosimetry systems (alanine, oxalic acid, PFMCH) for reactor irradiation to evaluate the total dose and parts of neutrons and gamma.

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