

## A LINEAR GEL/POLYMER SYSTEM BASED ON RADIATION PREVULCANIZED NR LATEX

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Radiation prevulcanized NR latex with controlled gel content can be prepared by varying the radiation dose. Effect of gel content on the extrusion properties of rubber prepared by mixing irradiated latex with normal latex prior to coagulation is being studied. It is observed that the blended rubber has good ageing resistance in addition to improved processability.

### *Reference*

1. Rosen, S. L. and Rodriguez, F. (1965). Flow properties of a linear-gel polymer system, *J. of App. Polym. Sc.*, **9**, 1601-1613.