

**INJECTION MOLDINGS OF DYNAMIC VULCANIZED NATURAL RUBBER-
POLYPROPYLENE BLENDS**

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Abstract

Thermoplastic elastomers (TPEs) preparing by dynamic vulcanization of natural rubber and isotactic polypropylenes (i-PP) blends at various compositions were used in this study. Rheological properties and thermal properties of these TPEs were determined. Injection molded TPEs were prepared at various injection conditions including three injection speeds and three melt temperatures. The effects of melt temperature and injection speed on morphology and mechanical property of injection molded TPE were studied.

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