

STRUCTURE AND PROPERTIES OF
THERMOPLASTIC BLENDS OF NATURAL RUBBER AND POLYPROPYLENE
PREPARED FROM GRANULATED NATURAL RUBBER

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SUMMARY

A simple process has been developed to produce thermoplastic natural rubber blends using granulated crepe rubber mixed with polypropylene granules. A preblend of granulated crepe rubber with polyolefin granules and other additives is fed into a mixing extruder at temperatures above the melting point of the polyolefin used. The hot melt that comes out of the mixing extruder can be either granulated or pelletised after cooling.

Physical properties and optical methods have been used to evaluate the properties and structure of these thermoplastic blends of NR and PP

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