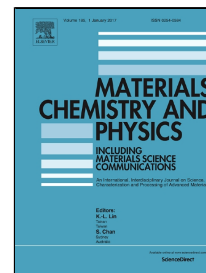


# Accepted Manuscript

A novel methodology for peel strength enhancement of heat-sealed oriented polypropylene/cast polypropylene film by tensile cyclic loading



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**Highlights**

- To improve peel strength without using chemical adhesive is a practical advantage.
- This method plays an important role to enhance peel strength of heat-sealed films.
- Enhancement was attributed to relaxation of the structure at heat-sealed edge part.
- Micro-Raman enables evaluation of the mechanical properties of heat-sealed films.

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