

DAFTAR PUSTAKA

- [1] B. von Vacano, O. Reich, G. Huber, and G. Türkoglu, "Elucidating pathways of polypropylene chain cleavage and stabilization for multiple loop mechanical recycling," *Journal of Polymer Science*, vol. 61, no. 16, pp. 1849–1858, Aug. 2023, doi: 10.1002/pol.20230121.
- [2] H. S. Ji and H. W. Jung, "Effect of the multiple injection process on the structural and mechanical properties of PP impact copolymers focusing on the deformation of ethylene-propylene copolymer," *Polym. Test.*, vol. 124, Jul. 2023, doi: 10.1016/j.polymertesting.2023.108051.
- [3] W. Rungswang, P. Saendee, B. Thitisuk, T. Pathaweesariyakul, and W. Cheevasrirungruang, "Role of crystalline ethylene-propylene copolymer on mechanical properties of impact polypropylene copolymer," *J. Appl. Polym. Sci.*, vol. 128, no. 5, pp. 3131–3140, Jun. 2013, doi: 10.1002/app.38495.
- [4] "PLASTIC POLICIES IN INDONESIA Country Profile 2," 2025.
- [5] N. Yenny, M. Putra, N. Fahira, and M. Alya Surianto, "Implementasi Ekonomi Sirkular Pada Industri Daur Ulang Plastik: Studi Kasus Pada Komunitas Recycle Goods," *EKOMA : Jurnal Ekonomi*, vol. 4, no. 6, 2025.
- [6] P. Gijnsman and R. Fiorio, "Long term thermo-oxidative degradation and stabilization of polypropylene (PP) and the implications for its recyclability," Feb. 01, 2023, *Elsevier Ltd.* doi: 10.1016/j.polymdegradstab.2023.110260.
- [7] M. Ahmadlouydarab, M. Chamkouri, and H. Chamkouri, "Compatibilization of immiscible polymer blends (R-PET/PP) by adding PP-g-MA as compatibilizer: analysis of phase morphology and mechanical properties," *Polymer Bulletin*, vol. 77, no. 11, pp. 5753–5766, Nov. 2020, doi: 10.1007/s00289-019-03054-w.
- [8] M. J. Azizli, M. Barghamadi, K. Rezaeeparto, and S. Parham, "Improvement of mechanical, morphological and thermal properties on PP-enriched graphene oxide/PP-g-MA/EPDM blend compatibilized: PP-g-MA compatibilizer and graphene oxide nanofiller role," *Journal of Polymer Research*, vol. 29, no. 8, Aug. 2022, doi: 10.1007/s10965-022-03182-4.
- [9] F. Morshedi Dehaghi, M. Aberoumand, and U. Sundararaj, "A Promising Recycling Strategy via Processing Polypropylene/Recycled Poly(ethylene terephthalate): Reactive Extrusion Using Dual Compatibilizers," *Polymers (Basel)*, vol. 16, no. 17, Sep. 2024, doi: 10.3390/polym16172439.

- [10] P. Tipboonsri and A. Memon, "The Impact of PP-g-MAH on Mechanical Properties of Injection Molding of Long Glass Fiber/Polypropylene Pellets from Thermoplastic Pultrusion Process," *Journal of Manufacturing and Materials Processing*, vol. 8, no. 2, Apr. 2024, doi: 10.3390/jmmp8020053.
- [11] J. Tocháček, J. Jančář, J. Kalfus, and S. Hermanová, "Processing stability of polypropylene impact-copolymer during multiple extrusion - Effect of polymerization technology," *Polym. Degrad. Stab.*, vol. 96, no. 4, pp. 491–498, Apr. 2011, doi: 10.1016/j.polymdegradstab.2011.01.018.
- [12] D. Barros, F. Leite, J. Bessa, V. Carneiro, J. P. Barbosa, and R. Figueiro, "Impact of reprocessing cycles and chain extender on recycled polypropylene properties," *Next Materials*, vol. 11, Apr. 2026, doi: 10.1016/j.nxmate.2026.101622.
- [13] P. Gijsman and R. Fiorio, "Long term thermo-oxidative degradation and stabilization of polypropylene (PP) and the implications for its recyclability," Feb. 01, 2023, *Elsevier Ltd.* doi: 10.1016/j.polymdegradstab.2023.110260.
- [14] A. Zohrevand, A. Aji, and F. Mighri, "Morphology and properties of highly filled iPP/TiO₂ nanocomposites," *Polym. Eng. Sci.*, vol. 54, no. 4, pp. 874–886, 2014, doi: 10.1002/pen.23625.
- [15] F. Shafaattalab and A. Jalali-Arani, "Effect of Maleic Anhydride-Grafted Polypropylene as a Compatibilizer and Dynamic Vulcanization on Morphology, Rheology, Mechanical and Thermal Properties of Polypropylene/Butadiene Rubber Blend," *J. Appl. Polym. Sci.*, vol. 142, no. 24, Jun. 2025, doi: 10.1002/app.57006.
- [16] F. Shafaattalab and A. Jalali-Arani, "Effect of Maleic Anhydride-Grafted Polypropylene as a Compatibilizer and Dynamic Vulcanization on Morphology, Rheology, Mechanical and Thermal Properties of Polypropylene/Butadiene Rubber Blend," *J. Appl. Polym. Sci.*, vol. 142, no. 24, Jun. 2025, doi: 10.1002/app.57006.
- [17] T. A. Lin, B. Limin, M. C. Lin, J. Y. Lin, C. W. Lou, and J. H. Lin, "Impact-resistant polypropylene/thermoplastic polyurethane blends: Compatible effects of maleic anhydride on thermal degradation properties and crystallization behaviors," *Journal of Materials Research and Technology*, vol. 8, no. 4, pp. 3389–3398, Jul. 2019, doi: 10.1016/j.jmrt.2019.03.015.
- [18] Y. Kong and J. N. Hay, "The measurement of the crystallinity of polymers by DSC." [Online]. Available: www.elsevier.com/locate/polymer