

عنوان مقاله:

A Highly Efficient Upcycling of Polypropylenevia Forming an Internal Three- DimensionalDynamic Network

محل انتشار: هشتمین همایش بین المللی علوم و تکنولوژی با رویکرد توسعه پایدار (سال: 1402)

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خلاصه مقاله:

An internal three-dimensional dynamic network assists a commodity thermoplastic polymer, Polypropylene, in showing superior recyclability performance. This network, triggered through the transesterification reaction between Maleic Anhydride and **, *\fi}* Butanediol, is a feasible upcycling .application for the polyolefin, conforming to sustainable development and circular economy standards

كلمات كليدى: Sustainability; Circular Economy; Upcycling; Polymer; Plastic; Polyolefin; Polypropylene; Vitrimer

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