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Synthesis of glycidyl methacrylate crosslinkable macromonomer promoted by green catalysis

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PURPOSE OF THE ABSTRACT

Glycidyl methacrylate (GMA) is a monomer that possess two polymerizable function. The epoxyde group which can be initiated by a cationic ring opening process and the vinyl group that may be activated using a radical initiator. This work describes the synthesis of a crosslinkable macromonomer produced by reacting the GMA with different anhydride promoted by green catalysis using acidic clay.

FIGURES

FIGURE 1

FIGURE 2

KEYWORDS

Green catalysis | Crosslinkable macromonomer | Clay | Glycidyl methacrylate

BIBLIOGRAPHY