

PROCESS FOR MAKING A POLYALKENYL DERIVATIVE OF AN
UNSATURATED ACIDIC REAGENT

ABSTRACT

A polyalkenyl derivative of an unsaturated acidic reagent prepared by the process of reacting a polyalkene having a Mn of at least 300 with an
5 unsaturated acidic reagent at elevated temperatures in the absence of a strong acid until at least 25% of the polyalkene is converted to a polyalkenyl derivative of an unsaturated acidic reagent, continuing the reaction of the polyalkene with an excess of the unsaturated acidic reagent at elevated temperatures in the presence of a strong acid to convert at least some of the
10 unreacted polyalkene to additional polyalkenyl derivative of an unsaturated acidic reagent, and removing the unreacted unsaturated acidic reagent.

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