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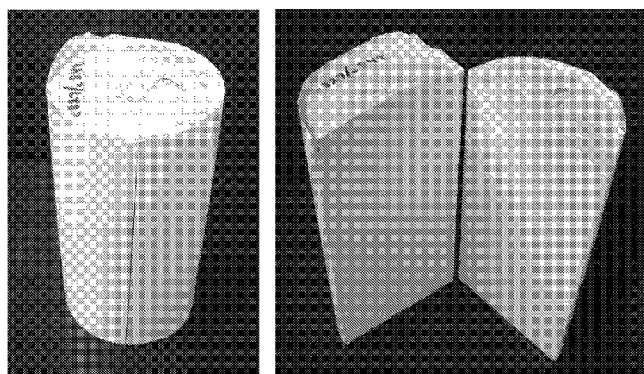
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(54) Title: METAL CARBENE OLEFIN METATHESIS TWO CATALYST COMPOSITION

FIG. 2 Photographs of an article made from a cyclic olefin resin composition catalyzed with an olefin metathesis catalyst composition comprising two metal carbene olefin metathesis catalysts, according to Example 60, showing the absence of defects.



(57) Abstract: This invention relates to olefin metathesis catalysts and methods for controlling olefin metathesis reactions. More particularly, the present invention relates to methods and compositions for catalyzing and controlling ring opening metathesis polymerization (ROMP) reactions and the manufacture of polymer articles via ROMP. This invention also relates to olefin metathesis catalyst compositions comprising at least two metal carbene olefin metathesis catalysts. This invention also relates to a ROMP composition comprising a resin composition comprising at least one cyclic olefin, and an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts. This invention also relates to a method of making an article comprising combining an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts with a resin composition comprising at least one cyclic olefin, thereby forming a ROMP composition, and subjecting the ROMP composition to conditions effective to polymerize the ROMP composition.