[00017] More particularly, the inventors have discovered that ROMP compositions comprising an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts and a resin composition comprising at least one cyclic olefin and an optional exogenous inhibitor enables various regions or sections of an article being molded to uniformly form a hard polymer gel before various regions or sections of an article being molded begin to exotherm, thereby reducing and/or eliminating the volatilization of liquid cyclic olefin monomer which in turn leads to a reduction and/or elimination of defects (e.g., voids, bubbles, etc.) in the molded article.

[0017a] In one aspect, there is provided a ROMP composition, comprising: an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts; and a resin composition comprising at least one cyclic olefin.

[0017b] In one aspect, there is provided a method of polymerizing a ROMP composition, 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 to form the ROMP composition; and subjecting the ROMP composition to conditions effective to polymerize the ROMP composition.

[0017c] In one aspect, there is provided 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 to form a ROMP composition; and subjecting the ROMP composition to conditions effective to polymerize the ROMP composition.

[0017d] In one aspect, there is provided an article of manufacture, comprising: an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts; and a resin composition comprising at least one cyclic olefin.

[0017e] In one aspect, there is provided a use of a ROMP composition for preparing a polymer article, where the ROMP composition comprises an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts, and a resin composition comprising at least one cyclic olefin

[0017f] In one aspect, there is provide a use of a ROMP composition for preparing a polymer composite, where the ROMP composition comprises an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts, a resin composition comprising at least one cyclic olefin, and at least one substrate material.

[0017g] In one aspect, there is provided a use of an olefin metathesis catalyst composition for polymerizing a resin composition, where the olefin metathesis catalyst composition comprises at least two metal carbene olefin metathesis catalysts; and the resin composition comprises at least one cyclic olefin.

[0017h] In one aspect, there is an article prepared by the method as described herein.

[00018] In one embodiment the present invention provides a composition comprising at least two metal carbene olefin metathesis catalysts.

[00019] In another embodiment the present invention provides an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts.

[00020] In another embodiment the present invention provides a composition comprising at least one cyclic olefin and at least two metal carbene olefin metathesis catalysts.

[00021] In another embodiment the present invention provides a composition comprising an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts, a resin composition comprising at least one cyclic olefin, and an optional exogenous inhibitor.

[00022] In another embodiment the present invention provides a composition comprising an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts, a resin composition comprising at least one cyclic olefin, at least one substrate material, and an optional exogenous inhibitor.

[00023] In another embodiment the present invention provides a composition comprising an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts, a resin composition comprising at least one cyclic olefin, at least one adhesion promoter, at least one substrate material, and an optional exogenous inhibitor.

[00024] In another embodiment the present invention provides a composition comprising an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts, a resin composition comprising at least one cyclic olefin, at least one adhesion promoter, at least one compound comprising a heteroatom-containing functional group and a metathesis active olefin, at least one substrate material, and an optional exogenous inhibitor.

[00025] In another embodiment the present invention provides a composition comprising an olefin metathesis catalyst composition comprising at least two metal carbene olefin metathesis catalysts, a resin composition comprising at least one cyclic olefin, at least one adhesion promoter composition, at least one substrate material, and an optional exogenous inhibitor.