CLAIMS

1. A curable composition comprising a polymerizable material and an initiator, wherein
   the polymerizable material comprises a first monomer and a second monomer,
   the second monomer including a ring structure selected from a maleimide-ring, a pyrone ring, or a 2-furanone ring;
   the second monomer is soluble in the first monomer,
   the curable composition has a viscosity of not greater than 10 mPa·s,
   the first monomer includes an acrylate monomer including an aromatic group;
   an amount of the polymerizable material is at least 80 wt% based on a total weight of the curable composition; and
   a total carbon content of the curable composition after curing is at least 74 wt%.
2. The curable composition of claim 1, wherein an amount of the second monomer is at least 2 wt% and not greater than 20 wt% based on the total weight of the curable composition.
3. The curable composition of claim 1, wherein the second monomer includes a maleimide ring structure.
4. The curable composition of claim 3, wherein the second monomer includes N-benzylmaleimide (N-BMI); N-cyclohexylmaleimide (N-CMI); N-phenylmaleimide (N-PMI); bis(3-ethyl-5-methyl-4-maleimidophenyl)methane (BEMMI); or any combination thereof.
5. The curable composition of claim 1, wherein the acrylate monomer includes benzyl acrylate (BA); 1-naphthyl acrylate (1-NA); bisphenol A dimethacrylate (BPADMA); or any combination thereof.
6. The curable composition of claim 1, comprising at least one further monomer.
7. The curable composition of claim 6, wherein the at least one further monomer includes a substituted or unsubstituted divinyl benzene (DVB).
8. The curable composition of claim 7, wherein the polymerizable material comprises an aromatic acrylate monomer, a monomer including a maleimide ring, and a substituted or unsubstituted divinyl benzene (DVB).
9. A laminate comprising a substrate and a cured layer overlying the substrate, wherein the cured layer is made from the curable composition of claim 1; wherein a total

carbon content of the cured layer is least 74 %, and a weight loss of the cured layer after a heat treatment at a temperature of 250°C for 90 seconds is not greater than 2.5% based on the total weight of the cured layer before the heat treatment.

10. The laminate of claim 9, wherein the cured layer has a Storage Modulus of at least 4.5 GPa.
11. A method of manufacturing an article comprising:

    applying a layer of a curable composition of claim 1 on a substrate;
    bringing the curable composition into contact with a superstrate;
    curing the curable composition with light or heat to form a cured layer;
    removing the superstrate from the cured layer; and
    processing the substrate with the cured layer to make the article.
12. The method of claim 11, wherein curing comprises a conversion of at least 65% of all double bonds contained in the polymerizable material within 10 seconds.
13. The method of claim 11, wherein the cured layer has a weight loss after a heat treatment at a temperature of 250°C for 90 seconds of not greater than 2.5% based on the total weight of the cured layer.