Claims

1. A composite system comprising:

- a) a polymer blend layer comprising or consisting of

A) a (meth)acrylate (co)polymer or a mixture of (meth)acrylate (co)polymers and

B) a styrene-maleic anhydride (co)polymer;

wherein a proportion of repeat maleic anhydride units in the styrene-maleic anhydride (co)polymer B) is 20 to 26 % by weight, based on a total weight of the styrene-maleic anhydride (co)polymer B);

wherein the proportion of repeat maleic anhydride units in the polymer blend layer a) is 1 to 27 % by weight, based on a total weight of the polymer blend layer a); and

wherein the styrene-maleic anhydride (co)polymer B) has been prepared from a monomer mixture comprising styrene, maleic anhydride and 0 to 50 % by weight of vinyl monomers copolymerizable with styrene and/or maleic anhydride, based on a total weight of maleic anhydride in the styrene-maleic anhydride (co)polymer B);

- b) optionally one or more adhesive layers, glass layers and/or optical films, preferably one or more adhesive layers, and

- c) a glass or plastic layer, preferably a plastic layer,

wherein a) and c) are bonded to one another or the one or more layers b) bond the two layers a) and c) to one another.

2. The composite system as claimed in Claim 1, wherein A) is formed to an extent of at least 30 % by weight, based on a total weight of A), of repeat methyl methacrylate units.

3. The composite system as claimed in Claim 1 or 2, characterized in that the composition to be polymerized for preparation of A) comprises one or more of the following monomers copolymerizable with methyl methacrylate and/or (meth)acrylates: alkyl(meth)acrylates, methyl acrylate, ethyl acrylate, butyl acrylate, cyclohexyl(meth)acrylate, norbornyl(meth)acrylate, (meth)acrylic acid, glutaric anhydride, styrene, maleic anhydride, n-isopropyl(meth)acrylamide, (meth)acrylamide, vinylcyclohexane, acrylonitrile, vinyl acetate and substituted styrenes.

4. The composite system as claimed in any one of Claims 1 to 3, characterized in that the styrene-maleic anhydride (co)polymer B) has a proportion of repeat styrene units of 55 to 90 % by weight, based on the total weight of the styrene-maleic anhydride (co)polymer B).

5. The composite system as claimed in any one of Claims 1 to 4, characterized in that A) has a mean molecular weight of at least M_w = 50000 g/mol and/or B) has a mean molecular weight of at least M_w = 40000 g/mol.

6. The composite system as claimed in any one of Claims 1 to 5, characterized in that a composition of which the polymer blend layer a) is composed has a Vicat softening temperature VET (ISO 306-B50) of at least 110 °C.

7. The composite system as claimed in any one of Claims 1 to 6, characterized in that the polymer blend layer a) comprises UV stabilizers, UV absorbers, lubricants, antistats, flame retardants, additives for increasing scratch resistance, antioxidants, light stabilizers, organic phosphorus compounds, weathering stabilizers and/or plasticizers, each in a proportion of 0.001 to 5 % by weight, based in each case on the total weight of the polymer blend layer a).

8. The composite system as claimed in any one of Claims 1 to 7, characterized in that the weight ratio of A) to B) is in the range from 10:90 to 90:10.

9. The composite system as claimed in any one of Claims 1 to 8, characterized in that the glass or plastic layer c) is a polycarbonate layer.

10. The composite system as claimed in any one of Claims 1 to 9, characterized in that the glass or plastic layer c) has a thickness in the range from 20 to 3000 µm, and/or the polymer blend layer a) has a thickness in the range from 10 to 2000 µm.

11. The composite system as claimed in any one of Claims 1 to 10, characterized in that the polymer blend layer a) has been applied to the glass or plastic layer c), preferably by lamination.

12. The composite system as claimed in any one of Claims 1 to 11, characterized in that the polymer blend layer a) and/or the glass or plastic layer c) has functional coatings on one or both sides, preferably scratch-resistant coatings, anti-reflection coatings and/or antistatic coatings.

13. The composite system as claimed in Claim 12, characterized in that the coatings are scratch-resistant coatings, preferably thermally crosslinked or UV-crosslinked coating materials based on (meth)acrylates or silicones.

14. The composite system as claimed in any one of Claims 1 to 13, characterized in that it is a multilayer film in the form of a cover or of a glazing system or in the form of part of a display, of a cover, of a touchscreen or of a glazing system.

15. A display, characterized in that this display comprises a composite system as claimed in any one of Claims 1 to 14.

16. A use of a styrene-maleic anhydride (co)polymer
wherein the proportion of repeat maleic anhydride units in the styrene-maleic anhydride (co)polymer is 20 to 26 % by weight, based on the total weight of the styrene-maleic anhydride (co)polymer; and
wherein the styrene-maleic anhydride (co)polymer has been prepared from a monomer mixture comprising styrene, maleic anhydride and 0 to 50 % by weight of vinyl monomers copolymerizable with styrene and/or maleic anhydride, based on the total weight of the maleic anhydride in the styrene-maleic anhydride (co)polymer,
for reduction of the warpage of a display, of a display cover, of a touchscreen or of glazing.

17. The use of a composite system as claimed in any one of Claims 1 to 14 as a visual display element or in a visual display element.