CLAIMS

1. A molded article comprising a repeatedly-movable part capable of being repeatedly bent or curved, wherein

the repeatedly-movable part is made of a thermoplastic resin composition containing a polyolefin resin, a polyamide resin, and a modified elastomer having a reactive group that reacts with the polyamide resin, and

the thermoplastic resin composition having a phase structure having

a continuous phase (A_1) containing the polyolefin resin,

a dispersed phase (B_{A1}) dispersed in the continuous phase (A_1) and containing the polyamide resin and the modified elastomer,

a continuous phase (A_2) containing the polyamide resin, and

a dispersed phase (B_{A2}) dispersed in the continuous phase (A_2) and containing the modified elastomer, and

the phase structure having a co-continuous phase structure in which 2 continuous phases of the continuous phase (A_1) and the continuous phase (A_2) coexist with each other.

2. The molded article according to claim 1, wherein the dispersed phase (B_{A1}) having a continuous phase (B_{A11}) dispersed in the dispersed phase (B_{A1}) and containing the polyamide resin; and a fine dispersed phase (B_{A12}) dispersed in the continuous phase (B_{A11}) and containing the modified elastomer.

3. The molded article according to claim 1 or 2, wherein the repeatedly-movable part is integrally molded with another part.

4. The molded article according to any one of claims 1 to 3, wherein the repeatedly-movable part is a hinge part, a bellows part, or a leaf spring.

5. The molded article according to any one of claims 1 to 4, wherein the polyamide resin is at least one resin selected from a group consisting of polyamide 11, polyamide 610, polyamide 612, polyamide 614, polyamide 1010, polyamide 1012, and polyamide 10T.

6. The molded article according to claim 5, wherein the modified elastomer is a maleic anhydride modified ethylene 1-butene copolymer, a maleic anhydride modified ethylene 1-pentene copolymer or an anhydrous maleic acid-modified ethylene 1-octene copolymer.

7. A method for producing a molded article including a repeatedly-movable part capable of being repeatedly bent or curved, the method comprising:

using, as a molding material for the repeatedly-movable part, a thermoplastic resin composition containing a polyolefin resin, a polyamide resin, and a modified elastomer having a reactive group that reacts with the polyamide resin, and

the thermoplastic resin composition having a phase structure having

a continuous phase (A_1) containing the polyolefin resin,

a dispersed phase (B_{A1}) dispersed in the continuous phase (A_1) and containing the polyamide resin and the modified elastomer,

a continuous phase (A_2) containing the polyamide resin, and

a dispersed phase (B_{A2}) dispersed in the continuous phase (A_2) and containing the modified elastomer, and

the phase structure having a co-continuous phase structure in which 2 continuous phases of the continuous phase (A_1) and the continuous phase (A_2) coexist with each other.

8. The method for producing a molded article according to claim 7, wherein the dispersed phase (B_{A1}) having a continuous phase (B_{A11}) dispersed in the dispersed phase (B_{A1}) and containing the polyamide resin; and a fine dispersed phase (B_{A12}) dispersed in the continuous phase (B_{A11}) and containing the modified elastomer.

9. The method for producing a molded article according to claims 7 or 8, wherein the repeatedly-movable part is integrally molded with another part.

10. The method for producing a molded article according to any one of claims 7 to 9, wherein the repeatedly-movable part is a hinge part, a bellows part, or a leaf spring.

11. The method for producing a molded article according to any one of claims 7 to 10, wherein the polyamide resin is at least one resin selected from a group consisting of polyamide 11, polyamide 610, polyamide 612, polyamide 614, polyamide 1010, polyamide 1012, and polyamide 10T.

12. The method for producing a molded article according to claim 11, wherein the modified elastomer is a maleic anhydride modified ethylene 1-butene copolymer, a maleic anhydride modified ethylene 1-pentene copolymer or an anhydrous maleic acid-modified ethylene 1-octene copolymer