CLAIMS

1. A modifier for dry blending that can be dry-blended with a first polyolefin resin to obtain a molded body having improved impact resistance, the modifier for dry blending comprising:

a continuous phase (A) containing a second polyolefin resin; and a dispersed phase (B) dispersed in the continuous phase (A) and containing a polyamide resin and a modified elastomer, wherein

the dispersed phase (B) is composed of a melt-kneaded product of the polyamide resin and the modified elastomer having a reactive group that reacts with the polyamide resin, and wherein

when a total of the continuous phase (A) and the dispersed phase (B) is 100% by mass, a content of the dispersed phase (B) is 37% by mass or more but 80% by mass or less.

2. The modifier for dry blending according to claim 1, wherein the modified elastomer is an olefin-based thermoplastic elastomer having, as its skeleton, a copolymer of ethylene or propylene and an α-olefin having 3 to 8 carbon atoms, or a styrene-based thermoplastic elastomer having a styrene skeleton.

3. The modifier for dry blending according to claim 1 or 2, wherein when a total of the polyamide resin and the modified elastomer is 100% by mass, a content of the polyamide resin is 10% by mass or more but 80% by mass or less.

4. The modifier for dry blending according to any one of claims 1 to 3, wherein the dispersed phase (B) has a continuous phase (B1) containing the polyamide resin and a fine dispersed phase (B2) dispersed in the continuous phase (B1) and containing the modified elastomer.

5. The modifier for dry blending according to any one of claims 1 to 4, wherein the first polyolefin resin is a block copolymerized polypropylene resin having an ethylene block as a dispersed phase, and the second polyolefin resin is a homopolypropylene resin.

6. A method for using the modifier for dry blending according to claim 1, comprising dry blending the modifier for dry blending with the first polyolefin resin in an amount of (5 × 100/(5 + 100))% by mass or more but 60% by mass or less when a total of the first polyolefin resin and the modifier for dry blending is 100% by mass.

7. The method for using the modifier for dry blending according to claim 6, wherein when a total of the first polyolefin resin and the modifier for dry blending is 100% by mass, the modifier for dry blending is dry-blended with the first polyolefin resin such that a total of the first polyolefin resin and the second polyolefin resin is 73% by mass or more but 95.5% by mass or less.

8. The method for using the modifier for dry blending according to claim 6 or 7, wherein

the modified elastomer is an olefin-based thermoplastic elastomer whose skeleton is an ethylene-propylene copolymer, an ethylene-1-butene copolymer, an ethylene-1-pentene copolymer, or an ethylene-1-octene copolymer,

the first polyolefin resin and the second polyolefin resin have homopolypropylene as a continuous phase (X), and at least one of the first polyolefin resin and the second polyolefin resin is a block copolymerized polypropylene resin having an ethylene block as a dispersed phase (Y) dispersed in the continuous phase (X), and

the method conducts the dry blending to prepare a molded body having a homopolypropylene continuous phase (A') derived from the first polyolefin resin and the second polyolefin resin,

the dispersed phase (B) dispersed in the continuous phase (A') and containing the polyamide resin and the modified elastomer, and

an aggregate phase (D) containing the ethylene block aggregated at an interface between the continuous phase (A') and the dispersed phase (B).