WHAT IS CLAIMED IS:

1. A molding device for molding a kneaded composition into a sheet shape by pressurizing the kneaded composition, the molding device comprising:

a kneading apparatus for kneading a resin composition to obtain the kneaded composition, the kneading apparatus having:

a discharge passage for discharging the kneaded composition; and

a degassing apparatus for degassing the kneaded composition and discharging a degassed and kneaded composition, the degassing apparatus provided in the middle of the discharge passage,

a pair of rollers for molding the degassed and kneaded composition into the sheet shape by pressurizing the degassed and kneaded composition between the rollers, the pair of the rollers provided at a downstream side of the discharge passage and arranged parallel to one another,

wherein at least an outer peripheral surface of each of the rollers is constituted of a ceramic material.

2. The molding device as claimed in claim 1, wherein each of the rollers has a columnar or cylindrical core portion and an outer layer provided on an outer periphery of the core portion, and the outer layer is constituted of the ceramic material.

3. The molding device as claimed in claim 2, wherein a thickness of the outer layer is in the range of 0.2 to 100 nm.

4. The molding device as claimed in claim 1, wherein the ceramic material contains an oxide ceramic.

5. The molding device as claimed in claim 1, wherein an arithmetic mean deviation of a profile Ra of the outer peripheral surface of each of the rollers defined by JIS B 0601 is in the range of 0 to 2 μm.

6. The molding device as claimed in claim 1, wherein the pair of the rollers is configured to be capable of adjusting a center distance between axes of the rollers.

7. The molding device as claimed in claim 1, wherein each of the rollers has a cooling device for cooling the kneaded composition passing between the pair of the rollers.

8. The molding device as claimed in claim 7, wherein a surface temperature of the outer peripheral surface of each of the rollers is set to be equal to or less than 20°C by the cooling device.

9. The molding device as claimed in claim 1, wherein the degassed and kneaded composition is used as a molding portion constituting an outer packaging of an IC package.

10. A method for molding a kneaded composition into a sheet shape using a molding device, the molding device having:

a kneading apparatus for kneading a resin composition to obtain the kneaded composition, the kneading apparatus having a discharge passage for discharging the kneaded composition and a degassing apparatus for degassing the kneaded composition and discharging a degassed and kneaded composition, the degassing apparatus provided in the middle of the discharge passage; and

a pair of rollers for molding the degassed and kneaded composition into the sheet shape by pressurizing the degassed and kneaded composition between the rollers, the pair of the rollers provided at a downstream side of the discharge passage and arranged parallel to one another, the method comprising:

degassing the kneaded composition by using the kneading apparatus of the molding device;

discharging the degassed and kneaded composition using the kneading apparatus; and

molding the degassed and kneaded composition into the sheet shape using the pair of the rollers,

wherein at least an outer peripheral surface of each of the rollers is constituted of a ceramic material.

WHAT IS CLAIMED IS:

1. A molding device for molding a kneaded composition into a sheet shape by pressurizing the kneaded composition, the molding device comprising:

a kneading apparatus for kneading a resin composition to obtain the kneaded composition, the kneading apparatus having:

a discharge passage for discharging the kneaded composition; and

a degassing apparatus for degassing the kneaded composition and intermittently discharging a degassed and kneaded composition by rotating a plurality of partitioning plates for partitioning the degassed and kneaded composition so that the degassed and kneaded composition is separately stored in plural spaces, the degassing apparatus provided in the middle of the discharge passage; and

a pair of rollers for molding the degassed and kneaded composition into the sheet shape by pressurizing the degassed and kneaded composition between the rollers, the pair of the rollers provided at a downstream side of the discharge passage and arranged parallel to one another,

wherein at least an outer peripheral surface of each of the rollers is constituted of a ceramic material.

2. The molding device as claimed in claim 1, wherein each of the rollers has a columnar or cylindrical core portion and an outer layer provided on an outer periphery of the core portion, and the outer layer is constituted of the ceramic material.

3. The molding device as claimed in claim 2, wherein a thickness of the outer layer is in the range of 0.2 to 100 nm.

4. The molding device as claimed in claim 1, wherein the ceramic material contains an oxide ceramic.

5. The molding device as claimed in claim 1, wherein an arithmetic mean deviation of a profile Ra of the outer peripheral surface of each of the rollers defined by JIS B 0601 is in the range of 0 to 2 μm.

6. The molding device as claimed in claim 1, wherein the pair of the rollers is configured to be capable of adjusting a center distance between axes of the rollers.

7. The molding device as claimed in claim 1, wherein each of the rollers has a cooling device for cooling the kneaded composition passing between the pair of the rollers.

8. The molding device as claimed in claim 7, wherein a surface temperature of the outer peripheral surface of each of the rollers is set to be equal to or less than 20°C by the cooling device.

9. The molding device as claimed in claim 1, wherein the degassed and kneaded composition is used as a molding portion constituting an outer packaging of an IC package.

10. The molding device as claimed in claim 1, wherein the degassing apparatus has:

a degassing chamber in which the kneaded composition is degassed;

a cylindrical portion provided at a downstream side of the degassing chamber;

a rotor rotatably provided in the cylindrical portion, the rotor having the plurality of partitioning plates for partitioning an inside of the cylindrical

portion into the plural spaces; and

a decompression device for decompressing the degassing chamber, and

wherein the degassing apparatus is configured to hermitically seal the degassing chamber by sealing an upstream side of the degassing chamber with the kneaded composition stored in the kneading apparatus and sealing the downstream side of the degassing chamber with the plurality of partitioning plates.

11. The molding device as claimed in claim 10, wherein the degassing apparatus is configured to deliver the degassed and kneaded composition stored in the plural spaces to the downstream side of the degassing passage when the plurality of partitioning plates rotate.

12. The molding device as claimed in claim 10, wherein a surface of the rotor is constituted of a nonmetallic material.

13. The molding device as claimed in claim 1, further comprising, a scraper for removing the degassed and kneaded composition remaining on the outer peripheral surface of one of the rollers.

14. The molding device as claimed in claim 13, wherein a surface of the scraper is constituted of a nonmetallic material.