CLAIMS

1. A compression type, mold conditioning rubber composition for imparting release properties to a mold surface after removing a stain formed during molding of a curing resin, which comprises

an unvulcanized rubber comprising an ethylene-propylene rubber and a butadiene rubber at a mixing ratio of 80/20 to 60/40 by weight as a base resin,

a metal soap release agent, and

at least one release agent selected from an organic fatty acid ester release agent, a synthetic wax release agent, and a fatty acid amide release agent,

the unvulcanized rubber having a 90% cure time (optimum cure point) tc(90) in the range of from 50 to 100 seconds at a mold temperature of 175°C and, after cure, an elongation of 80% to 800%, a tensile strength of 3 to 10 MPa, and a rubber hardness (durometer A hardness) of 60 to 95, wherein the metal soap release agent, and at least one release agent selected from an organic fatty acid ester release agent, a synthetic wax release agent, and a fatty acid amide release agent are used in a ratio of 90:10 to 30:70.

2. A compression type, mold conditioning rubber composition for imparting release properties to a mold surface after removing a stain formed during molding of a curing resin, which comprises

an unvulcanized rubber comprising an ethylene-propylene rubber and a butadiene rubber at a mixing ratio of 80/20 to 60/40 by weight as a base resin,

a metal soap release agent, and

at least one release agent selected from an organic fatty acid ester release agent, a synthetic wax release agent, and a fatty acid amide release agent,

the unvulcanized rubber having a 90% cure time (optimum cure point) tc(90) in the range of from 200 to 400 seconds at a mold temperature of 175°C and, after cure, an elongation of 80% to 800%, a tensile strength of 3 to 10 MPa, and a rubber hardness (durometer A hardness) of 60 to 95, wherein the metal soap release agent, and at least one release agent selected from an organic fatty acid ester release agent, a synthetic wax

release
agent, and a fatty acid amide release agent are used in a ratio of 90:10 to 30:70.

3 A compression type, mold conditioning rubber composition for imparting release properties to a mold surface after removing a stain formed during molding of a curing resin, which comprises

an unvulcanized rubber comprising an ethylene-propylene rubber and a butadiene rubber at a mixing ratio of 80/20 to 60/40 by weight as a base resin and

at least one release agent selected from a metal soap release agent, an organic fatty acid ester release agent, a synthetic wax release agent, and a fatty acid amide release agent,

the unvulcanized rubber having a 90% cure time (optimum cure point) tc(90) in the range of from 200 to 400 seconds at a mold temperature of 175°C and, after cure, an elongation of 80% to 800%, a tensile strength of 3 to 10 MPa, and a rubber hardness (durometer A hardness) of 60 to 95, wherein the metal soap release agent, and at least one release agent selected from an organic fatty acid ester release agent, a synthetic wax release agent, and a fatty acid amide release agent are used in a ratio of 90:10 to 30:70.

4. The mold conditioning rubber composition according to any one of claims 1 to 3, wherein

the ethylene-propylene rubber is an ethylene-propylene rubber having a Mooney viscosity ML_{1+4} (100°C) of 36 to 44 or an ethylene-propylene-diene rubber having a Mooney viscosity ML_{1+4} (100°C) of 20 to 70, and

the butadiene rubber has a Mooney viscosity ML_{1+4} (100°C) of 20 to 60.

5. The mold conditioning rubber composition according to any one of claims 1 to 3, wherein the organic fatty acid ester release agent is partially saponified montanic acid ester or a polymeric complex ester.

6. The mold conditioning rubber composition according to any one of claims 1 to 3, wherein the synthetic wax is a modified hydrocarbon wax or a mineral oil-based synthetic wax.

7. The mold conditioning rubber composition according to any one of claims 1 to 3, further comprising at least one of a filler, a cleaning agent, a cleaning aid, a vulcanizing agent, a vulcanization aid, a vulcanization accelerator, a vulcanization acceleration aid, and a pigment.

8. A method of conditioning a mold comprising using the mold conditioning rubber composition according to any one of claims 1 to 7.