CLAIM(S)

1. A grease manufacturing method, comprising:

mixing a first base oil comprising a first thickener precursor and a second base oil comprising a second thickener precursor to prepare a mixture;

applying a shear rate of $10^2 s^{-1}$ or more to the mixture; and

mixing and dispersing the first thickener precursor and the second thickener precursor for reaction to prepare a thickener.

2. The grease manufacturing method according to claim 1, wherein

the shear rate is $10^7 s^{-1}$ or less.

3. The grease manufacturing method according to claim 1 or 2, wherein

the shear rate is applied to the mixture within 15 minutes after mixing the first base oil and the second base oil.

4. The grease manufacturing method according to any one of claims 1 to 3, wherein

a ratio (Max/Min) of a maximum shear rate (Max) to a minimum shear rate (Min) in the shear rate applied to the mixture is 100 or less.

5. The grease manufacturing method according to any one of claims 1 to 4, wherein

the first thickener precursor is monoamine and the second thickener precursor is diisocyanate.

6. The grease manufacturing method according to any one of claims 1 to 5, wherein

the shear rate is applied to the mixture by introducing the mixture into a reactor configured to generate shearing by relative movement of facing wall surfaces.

7. The grease manufacturing method according to any one of claims 1 to 6, further comprising: kneading the grease.

8. The grease manufacturing method according to any one of claims 1 to 6, further comprising: heating the grease to a temperature in a range from 80 degrees C to 200 degrees C.

9. The grease manufacturing method according to claim 8, further comprising: kneading the grease.

CLAIMS

1. A grease manufacturing method, comprising:

introducing a first base oil comprising a first thickener precursor and a second base oil comprising a second thickener precursor into a manufacturing device configured to manufacture a grease thereby preparing a mixture in the manufacturing device;

applying a shear rate of $10^2 s^{-1}$ or more to the mixture in the manufacturing device; and

mixing and dispersing the first thickener precursor and the second thickener precursor for reaction to prepare a thickener.

2. The grease manufacturing method according to claim 1, wherein the shear rate is $10^7 s^{-1}$ or less.

3. The grease manufacturing method according to claim 1 or 2, wherein the shear rate is applied to the mixture within 15 minutes after mixing the first base oil and the second base oil.

4. The grease manufacturing method according to any one of claims 1 to 3, wherein a ratio (Max/Min) of a maximum shear rate (Max) to a minimum shear rate (Min) in the shear rate applied to the mixture is 100 or less.

5. The grease manufacturing method according to any one of claims 1 to 4, wherein the first thickener precursor is monoamine and the second thickener precursor is diisocyanate.

6. The grease manufacturing method according to any one of claims 1 to 5, wherein the shear rate is applied to the mixture by introducing the mixture into a reactor configured to generate shearing by relative movement of facing wall surfaces.

7. The grease manufacturing method according to any one of claims 1 to 6, further comprising: heating the grease to a temperature in a range from 80 degrees C to 200 degrees C.

8. The grease manufacturing method according to any one of claims 1 to 7, further comprising: kneading the grease.