21 g of aminoethylaminopropylmethyldimethoxysilane (KBM-602 from Shin-Etsu Co., Ltd.) was charged to 515 g of the prepolymer and stirred at 30 °C for 30 minutes. Subsequently, 7.3 g of aminopropylmethyldimethoxysilane (KBM-902 from Shin-Etsu Co., Ltd.) and 0.3 g of methanol were charged to the prepolymer. After stirring at 30 °C for 30 minutes, a polyurethane resin was obtained.

[0026]

Example 2

458g of polyoxypropylene monool having a number-average molecular weight of 5000 (PML-S-1005 from Asahi Glass Co., Ltd), 462 g of polyoxypropylene diol having a number-average molecular weight of 13000 (PML-4013 from Asahi Glass Co., Ltd) and 53 g of isophorone diisocyanate (Desmodur I from Sumitomo Chemical Bayer Corporation) were mixed. The mixture was reacted at 90 °C for 24 hours to obtain a polyurethane prepolymer.

21 g of aminoethylaminopropylmethyltrimethoxysilane (KBM-603 from Shin-Etsu Co., Ltd.) was charged to 515 g of the prepolymer and stirred at 30 °C for 30 minutes. Subsequently, 7.3 g of aminopropylmethyldimethoxysilane (KBM-902 from Shin-Etsu Co., Ltd.) and 0.3 g of methanol were charged to the prepolymer. After stirring at 30 °C for 30 minutes, a polyurethane resin was obtained.

[0028]

Comparative Example 1

500g of polyoxypropylene ~~mono~~diol having a number-average

molecular weight of 10000 (PML-4011 from Asahi Glass Co., Ltd) and isophorone diisocyanate (Desmodur I from Sumitomo Chemical Bayer Corporation) were reacted in an NCO/OH equivalent ratio of 2.0 at 90 °C for 42 hours to obtain a polyurethane prepolymer.

51.3 g of aminoethylaminopropylmethyldimethoxysilane (KBM-602 from Shin-Etsu Chemicals Co., Ltd.) was charged to 444 g of the prepolymer. After adding 91.5 g of 2-ethylhexylacrylate to the prepolymer and stirring at 50 °C for 10 days, a polyurethane resin was obtained.

[0029]

Comparative Example 2

210g of polyoxypropylene ~~mono~~diol having a number-average molecular weight of 10000 (PML-4011 from Asahi Glass Co., Ltd) and isophorone diisocyanate (Desmodur I from Sumitomo Chemical Bayer Corporation) were reacted in an NCO/OH equivalent ratio of 2.0 at 90 ° C for 42 hours to obtain a polyurethane prepolymer having a viscosity of 20000 mPa・s at 20 ° C.

8 g of aminoethylaminopropylmethyldimethoxysilane (KBM-602 from Shin-Etsu Chemicals Co., Ltd.) was charged to 104 g of the prepolymer. After stirring at 30 °C for 30 minutes, a polyurethane resin which has a high viscosity and cannot be stirred was obtained.

[0030]

[Preparation ~~pf~~ of two-pack type curable composition]