

[Abstract]

The present invention provides a pressure-sensitive adhesive (PSA) sheet that achieves, in the form having a support substrate, both low initial adhesiveness and strong adhesiveness during use. The PSA sheet provided in this application includes a support substrate and a PSA layer laminated on at least one side of the support substrate. The PSA layer has a thickness of 3 μm or more but less than 100 μm . The support substrate has a thickness of 30 μm or more. The PSA sheet is configured so that a relationship between an elastic modulus E_t' [MPa] of the PSA sheet and a thickness T_s [mm] of the support substrate fulfils the following formula: $0.1 [\text{N}\cdot\text{mm}] < E_t' \times (T_s)^3$. The adhesive strength N_2 after the PSA layer is attached to a stainless steel plate (SUS304BA plate) and heated at 80°C for 5 minutes is 20 times or more of an adhesive strength N_1 after the PSA layer is attached to a stainless steel plate (SUS304BA plate) and left at 23°C for 30 minutes.

Fig. 1