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(54) **Lithographic printing plate precursor**

(57) A lithographic printing plate precursor comprising an aluminum substrate, an image-recording layer and a hydrophilic film, the aluminum substrate being subjected to an electrochemical surface-roughening treatment in an aqueous solution comprising hydrochloric acid and provided with the hydrophilic film having a heat conductivity of 0.05 to 0.5 W/mK and/or at least one of a density of 1,000 to 3,200 kg/m<sup>3</sup> and a porosity of 20 to 70%; and a lithographic printing plate precursor comprising an aluminum substrate, an image-recording

layer and a hydrophilic film, the aluminum substrate having a surface-roughened shape comprising a small pit wherein an average opening size of the small pit is 0.01 to 3 µm and a ratio of an average depth of the small pit to the average opening size is 0.1 to 0.5, and being provided with the hydrophilic film having a heat conductivity of 0.05 to 0.5 W/mK and/or at least one of a density of 1,000 to 3,200 kg/m<sup>3</sup> and a porosity of 20 to 70%.

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