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ABSTRACT

An ink-jet recording process which conducts recording by imparting ink onto the surface of a recording medium according to recording information, where the recording medium has a base material and a porous ink receiving layer thereon containing inorganic particles having a BET specific surface area of at least 150 m^2/g, and the ink contains a polymer emulsion having a water-insoluble or hardly-soluble colorant contained in polymer fine particles and at least one wetting agent, 8-11 C polyol or glycol ether, anionic or nonionic surfactant, water-soluble organic solvent, and water; and has a surface tension of 40 mN/m or less at 25°C. This process can provide high-grade images excellent in ink absorbing and fixing properties and satisfactory in color tone, produce images excellent in image fastness such as water resistance and light resistance, and implement ink-jet recording excellent in storage stability and discharge stability and free from head clogging at printing.

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