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(54) METHOD FOR PRODUCING EPSILON-CAPROLACTAM AND METHOD FOR PRODUCING POLYAMIDE 6

(57) To provide a method for producing ε-caprolactam from a polyamide 6 resin composition, the method achieving both circulation utilization of fossil resources and reduction in global warming gas emissions, and therefore being green and energy-saving. The present invention is a method for producing ε-caprolactam, including bringing a resin composition (A) containing at least polyamide 6 and water (B) heated to a temperature of 290°C or higher and 350°C or lower into contact with each other, wherein the contact is made under a condition that a product of X and Y is 2,000 or less when a mass ratio of the water to the polyamide 6 is represented by X : 1 and a reaction temperature is represented by Y°C.

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