WHAT IS CLAIMED IS:

1. A method for manufacturing an extrusion molded product comprises:

(1) a step for manufacturing a kneaded product by kneading a starting material powder, a liquid and a binder;

(2) a step for manufacturing a crushed product by crushing the kneaded product; and

(3) a step for molding the crushed product by using an extruder,

wherein, the crushed product in step (2) is crushed to a particle size such that 80 mass% or more passes through a sieve of nominal dimension (D/2) mm when the internal cylinder diameter of the extruder in step (3) is D mm, and

wherein the starting material powder is a powdered catalyst or its precursor powder that contains at least molybdenum and phosphorus as catalytic components, and is used for producing unsaturated carboxylic acid through gas-phase catalytic oxidation of unsaturated aldehyde using molecular oxygen.

2. A method for manufacturing an extrusion molded product comprises:

(1) a step for manufacturing a kneaded product by kneading a starting material powder, a liquid and a binder;

(2) a step for manufacturing a crushed product by crushing the kneaded product; and

(3) a step for molding the crushed product by using an extruder,

wherein the kneaded product is crushed by using a crusher in step (2), and

wherein the starting material powder is a powdered catalyst or its precursor powder that contains at least molybdenum and phosphorus as catalytic components, and is used for producing unsaturated carboxylic acid through gas-phase catalytic oxidation of unsaturated aldehyde using molecular oxygen.

3. The method for manufacturing an extrusion molded product according to Claim 2, wherein the total value obtained based on the maximum processing capacity of each kneading machine used in the step (1) is greater than the maximum processing capacity of the extruder used in step (3), while the total value obtained based on the maximum processing capacity of each crusher used in step (2) is greater than the maximum processing capacity of the extruder used in step (3).

4. The method for manufacturing an extrusion molded product according to Claim 2 or 3, wherein the power relative to the volume of the crusher is 10 kW/m^3~500 kW/m^3 in the step (2).

5. The method for manufacturing an extrusion molded product according to any of Claims 2~4, wherein the kneaded product is crushed in the step (2) by using a crusher selected from among a scraping type bale crusher, twin-shaft crusher, single-shaft crusher, screw-auger type crusher, and tumbling mill.

6. The method for manufacturing an extrusion molded product according to any of Claims 1~5, wherein the crushed product is molded by using a plunger extruder in the step (3).