

ABSTRACT

OLEFIN POLYMER AND METHOD FOR PRODUCING OLEFIN POLYMER

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An olefin polymer according to the present invention comprises a monomer unit derived from propylene and satisfies all of the following requirements (1) to (3).

10 (1) $0.5 \leq \text{MFR} \leq 7$ wherein the MFR represents a melt flow rate measured at 230°C and 21.18 N, and a unit thereof is g/10 min.

(2) $5.0 \leq A_w/A_n \leq 10.0$ wherein A_w and A_n represent a weight average molecular chain length and a number average molecular chain length, respectively, each measured by gel permeation chromatography.

15 (3) $\text{SR} \geq 0.1 \cdot \log(\text{MFR}) + 1.26$ wherein the SR is defined as follows assuming that a diameter of a die hole is D_h , and a diameter of a section of the olefin polymer extruded from the die hole is D_p in measurement of the MFR, $\text{SR} = D_p/D_h$.

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