

ABSTRACT

DEVOLATILIZING EXTRUDER, AND DEVOLATILIZING EXTRUSION
METHOD OF POLYMER COMPOSITION USING THE SAME AND METHOD OF
5 PRODUCING METHACRYLIC POLYMER

The present invention provides a devolatilizing extruder which can suppress contamination of a polymer composition and a methacrylic polymer to be produced.

10 Disclosed is a devolatilizing extruder comprising: a cylinder 10 having a polymer composition supply port 12, a gas discharge port 14, a polymer outlet 16 and a through-hole 18; a rotatable screw 20 inserted into the cylinder 10 through the through-hole 18; and a shaft seal bearing
15 portion 30 supporting a shaft portion 20a of the screw 20 extending from the through-hole 18 to the outside of the cylinder 10; wherein a shaft seal portion 32 of the shaft seal bearing portion 30 is formed of a mechanical seal using at least one kind selected from the group consisting
20 of an adipate ester, a phthalate ester, a diisobutyrate ester and acetylated glyceride as a mechanical seal liquid.

Figure 1