

ABSTRACT

A method for producing a transparent thermoplastic resin pellet comprising a step of kneading a transparent thermoplastic resin with a kneader under a condition under which a damage history calculated according to the following formula is 500 to 2,500:

$$\text{Damage history} = \{\text{Residence time (tr)}\} \times \{\text{Shear rate } (\gamma)\}$$

$$\text{Residence time (tr)} = (W \times H \times L) / Q$$

$$\text{Shear rate } (\gamma) = (\pi \times D \times N) / H$$

in the formulae, W represents a screw groove width (pitch) [cm]; H represents a screw groove depth [cm]; L represents a screw length [cm]; Q represents a resin supply amount [g/s]; D represents a screw diameter [cm]; and N represents a screw rotation number [rps].