

ABSTRACT

Provided is a thermoplastic resin which enables to obtain a high heat resistant molded product which is small in property changes caused by water absorption and has an excellent optical property, and a molded product formed by the thermoplastic resin.

A thermoplastic resin of present invention is a polymer, which glass transition temperature is 130°C or more, a saturated water absorption ratio is 0.1 mass% or less, and a stress-optical coefficient C_R satisfies $|C_R| \leq 3 \times 10^{-10} \text{Pa}^{-1}$, obtained by a random additional polymerization of ethylene and tetracyclo[4.4.0.1^{2,5}.1^{7,10}]-3-dodecene. A molded product of present invention comprises of the thermoplastic resin.