

**4-METHYL-1-PENTENE POLYMER, PROCESS FOR PRODUCTION THEREOF, AND
USE THEREOF**

ABSTRACT

[Object] The present invention provides a 4-methyl-1-pentene
5 polymer having excellent balance between heat resistance and
rigidity, a process for producing the polymer, and a film and a
LED mold formed from the polymer.

[Means for solving the problem]

The 4-methyl-1-pentene polymer comprises 50 to 100 % by mass
10 of a constituting unit derived from 4-methyl-1-pentene and 0 to
50 % by mass of a constituting unit derived from at least one of
olefins having 2 to 20 carbon atoms excluding 4-methyl-1-pentene,
wherein the 4-methyl-1-pentene polymer is obtainable by
continuously feeding a monomer for forming the 4-methyl-1-pentene
15 polymer and an organic solvent to a polymerization reactor and
continuously extracting a polymerization reaction mixture
containing the resulting 4-methyl-1-pentene polymer from the
polymerization reactor.