

ABSTRACT

MODIFIED CONJUGATED DIENE POLYMER AND
PROCESS FOR PRODUCING THEREOF

5 A modified conjugated diene polymer comprises a modifying group based on a
low molecular weight compound having two or more tertiary amino groups and one or
more alkoxysilyl groups in a molecule which bonds to a conjugated diene polymer
obtained by polymerization of a conjugated diene compound or a conjugated diene
polymer obtained by copolymerization of a conjugated diene compound and an
10 aromatic vinyl compound. The process for producing the modified conjugated diene
polymer comprises the steps of: polymerizing a conjugated diene compound or
copolymerizing a conjugated diene compound and an aromatic vinyl compound in a
hydrocarbon solvent using an alkali metal initiator and/or an alkaline earth metal
initiator; and reacting active terminals of the resulting polymer with a low molecular
15 weight compound having two or more tertiary amino groups and one or more
alkoxysilyl groups in the molecule.