

ABSTRACT

Disclosed is a novel cyclic conjugated diene polymer which comprises a main chain comprising at least one type of cyclic conjugated diene monomer unit, or comprising at least one type of cyclic conjugated diene monomer unit and a monomer unit derived from at least one comonomer copolymerizable with the cyclic conjugated diene monomer, wherein the cyclic conjugated diene monomer units are bonded in the main chain by a 1,2-bond and a 1,4-bond, and wherein the 1,2-bond/1,4-bond molar ratio is relatively high. The cyclic conjugated diene polymer of the present invention not only has a relatively narrow molecular weight distribution, but also is improved in respect of thermal properties and mechanical properties. Also disclosed is a commercially advantageous method for producing such an excellent cyclic conjugated diene polymer, in which a unique catalyst is used.

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