

Abstract

MODIFIED CONJUGATED DIENE-BASED POLYMER, PRODUCTION
METHOD THEREOF, RUBBER COMPOSITION AND TIRE

A modified conjugated diene-based polymer having a nitrogen atom, wherein

a content of the nitrogen atom is 25 mass ppm or more based on a total amount of the modified conjugated diene-based polymer,

a shrinking factor (g') is 0.59 or less in a GPC-light scattering measurement method with a viscosity detector, and

a weight average molecular weight is 200,000 or more and 3,000,000 or less.