

ABSTRACT

The rubber composition for tire side wall of the invention provides a rubber material for tire side wall, which has excellent strength properties and bending fatigue resistance and can afford a tire side wall of low fuel consumption. The rubber composition comprises an unsaturated olefin copolymer (A) obtained from ethylene (i), an aromatic vinyl compound (ii), a non-conjugated polyene (iii) and, if necessary, an α -olefin having at least 3 carbon atoms (iv), wherein [(i)/(iv)] (molar ratio of constituent units) is from 100/0 to 40/60, [(i)+(iv))/(ii)] (molar ratio of constituent units) is from 98/2 to 60/40, an intrinsic viscosity $[\eta]$ measured in decalin at 135°C is from 1.0 to 6.0 dl/g, and an iodine value is from 10 to 50; and a diene rubber (B).

The rubber composition for tire tread of the invention provides a rubber material for tire tread, which is superior in strength properties, abrasion resistance and braking performance on the wet road (wet skid) and attains small rolling resistance, said rubber composition comprising an unsaturated olefin copolymer (A') obtained from ethylene (i), an aromatic vinyl compound (ii), a non-conjugated polyene (iii) and an α -olefin having at least 3 carbon atoms (iv), wherein [(i)/(iv)] (molar ratio of constituent units) is from 100/0 to 40/60 and [(i)+(iv))/(ii)] (molar ratio of constituent units) is from 99/1 to 85/15; and a diene rubber (B) wherein a weight

ratio [(A')/(B)] of the unsaturated olefin copolymer (A') to the diene rubber (B) is from 1/99 to 50/50.

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