

RUBBER COMPOSITION AND METHOD FOR PRODUCING RUBBER COMPOSITION

ABSTRACT

A rubber composition contains a rubber component, an additive,
5 and a filler, wherein the additive comprises a compound including carbon
atoms and at least one atomic species selected from the group consisting
of silicon atoms, nitrogen atoms and oxygen atoms; the total number of
silicon atoms, nitrogen atoms and oxygen atoms constituting the
compound is 0.27 or more and 0.80 or less based on the number of the
10 carbon atoms; the Hansen solubility parameter of the compound satisfies
a relationship represented by the following formula (2); and the molecular
weight of the compound is 200 or more and 15000 or less.

$$6 \leq \{4(\delta D_1 - \delta D_2)^2 + (\delta P_1 - \delta P_2)^2 + (\delta H_1 - \delta H_2)^2\}^{0.5} \quad (2)$$

[No available figure]