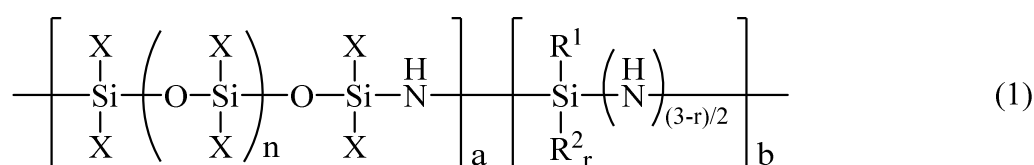


Polysiloxazane Compound, Method for Producing the Same, and
Composition Containing the Same and Cured Product Thereof

ABSTRACT

5

A polysiloxazane compound including a repeating unit of the following general formula (1), and having a number average molecular weight of 500 to 100,000 as measured by gel permeation chromatography versus polystyrene standards,



- 10 wherein R^1 and R^2 each independently represent a substituted or unsubstituted $\text{C}_1\text{-C}_{50}$ monovalent hydrocarbon group optionally containing a hetero atom, Xs each independently represent a methyl group, an oxygen atom, NH-SiX_2 , or $(\text{NH})_{(3-r)/2}\text{-SiR}^1\text{R}^2_r$ (R^1 and R^2 have the same meaning as provided above), or Xs are joined to one another to represent an oxygen atom, n is an integer of 0 to 8, when the number of NH-SiX_2 is denoted by p, p satisfies
- 15 $0 \leq p/(2n + 4) \leq 0.5$, r is an integer of 0, 1, or 2, and a and b are numbers satisfying $0 < a \leq 1$, $0 \leq b < 1$, and $a + b = 1$.

[no suitable figure]