There are various kinds of polymers used for bonding the electronic component materials, and the polymers are required to have high adhesion to a base material and a performance suitable for a production process in addition to a low dielectric loss tangent and dielectric constant.

[0004]

As the polymer, Patent Literature 1 discloses a polymer containing a pyrimidine unit, and Patent Literature 2 discloses a polyarylate.

Citation List

Patent Literature

[0005]

Patent Literature 1: JP 2017-197725 A

Patent Literature 2: WO 2016/152295 A

Summary

[0006]

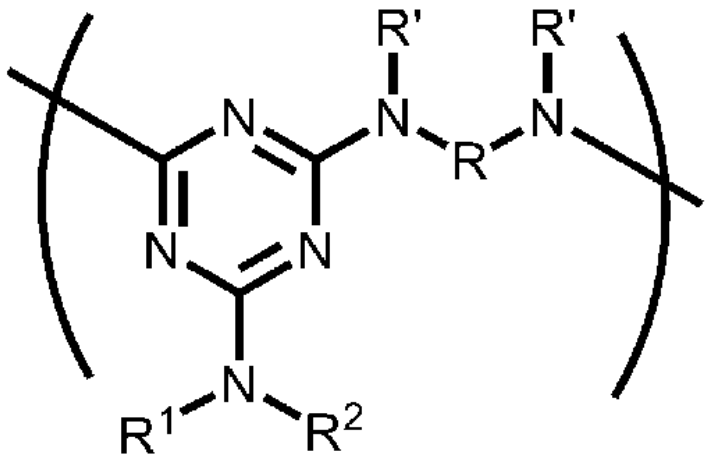
However, conventional polymers such as the polymers described in the patent literatures have room for improvement in solubility in a solvent, and in a case where the polymers are used, there is room for further improvement in easily obtaining a solution with excellent coatability (hereinafter, also simply referred to as “coatability”) and adhesion of a

layer obtained from the polymer to a base material (hereinafter, also simply referred to as "adhesion to a base material").

[0006a]

In a first aspect of the present disclosure, there is provided a polymer having repeating units composed of only repeating units represented by the following Formula (1):

[Chem. 1]



(1)

wherein in Formula (1), -N(R')-R-N(R')- is a structure derived from a dimer diamine which is unsubstituted or substituted with a substituent, and R', R^1, and R^2 are each independently a hydrogen atom, a halogen atom, a hydrocarbon group having 1 to 20 carbon atoms which is unsubstituted or substituted with a substituent, or a heterocyclic aromatic group having 3 to 20 carbon atoms which is unsubstituted or substituted with a substituent.

[0007]

An example of the present disclosure provides a polymer that is soluble in a general-purpose solvent and has excellent balance among heat resistance, mechanical properties, coatability, and adhesion to a base material.

Solution to Problem

[0008]

The present inventors have found that the problems can be solved by a polymer having a specific structure. Examples of aspects of the present invention are shown in the following [1] and [2].

[0009]

[1] A polymer having repeating units composed of only repeating units represented by the following Formula (1).

[0010]

[Chem. 1]