

HYDROPHOBIC INORGANIC PARTICLES, RESIN COMPOSITION FOR HEAT
DISSIPATION MEMBER, AND ELECTRONIC COMPONENT DEVICE

ABSTRACT

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Disclosed are hydrophobic inorganic particles obtained by
surface-modifying inorganic particles with an organic compound, in
which with respect to the hydrophobic inorganic particles subjected
to a washing step, a weight reduction rate is calculated
10 undermeasurement conditions described below, and the number of
molecules of the organic compound per 1 nm² of inorganic particles
before a surface treatment, which is calculated by a calculation
expression described below, is 1.7 to 20.

(Calculation expression)

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If the number of molecules of the organic compound per 1 nm² of
inorganic particles is N,

a weight reduction rate (%) is R,

a specific surface area of inorganic particles is S (m²/g), and

a molecular weight of organic compound is W (g),

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$$N = (6.02 \times 10^{23} \times 10^{-18} \times R \times 1) / (W \times S \times (100 - R))$$

[No Figure]