

ABSTRACT

A fiber aggregate for sound insulation capable of effectively insulating sound by a simple structure and a sound absorbing and insulating material and a sound absorbing and insulating material for vehicles having the fiber aggregate for sound insulation are provided. The fiber aggregate for sound insulation has an average fiber diameter from 450 nm to 5800 nm and a bulk density from 0.09 g/cm³ to 0.33 g/cm³. The fiber aggregate for sound insulation particularly preferably has an average fiber diameter from 450 nm to 1650 nm and a bulk density from 0.09 g/cm³ to 0.22 g/cm³. The fiber aggregate for sound insulation satisfying these numerical ranges is capable of achieving lightness in weight and exhibiting effective sound insulating performance.

FIG. 8