

ABSTRACT

To provide an inorganic fiber and an inorganic fiber product in which heat resistance is high, an option of a raw material is wide, and productivity is high. An inorganic fiber contains at least one kind of alkali metal compound selected from the group consisting of Na, K, and Li, and a sulfur compound. A total amount A (% by mass) of alkali metal oxides expressed by Na₂O, K₂O, and Li₂O and a weight S (% by mass) of a sulfur oxide expressed by SO₃ in terms of oxides satisfy the following Expression (1) or (2). An inorganic fiber product includes the inorganic fiber.

$$S \geq -0.38A + 2.4 \quad (A < 5\% \text{ by mass}) \quad (1)$$

$$S \geq 0.5 \quad (A \geq 5\% \text{ by mass}) \quad (2)$$

FIG. 1