CLAIMS

1. A retaining tool comprising:

an insertion portion that is installed in a housing space of a packing container and allows insertion of a syringe including a material storage container that houses a viscous material in a state where the syringe is erected; and a solid portion that is provided around the insertion portion and forms the insertion portion,

wherein the solid portion is formed from a first end portion, on a side where an opening of the insertion portion is located, to a second end portion, on an opposite side of the first end portion, in a direction corresponding to an insertion direction into the insertion portion, the solid portion contains non-crosslinked foamed polyethylene, wherein the linear thermal expansion coefficient of the non-crosslinked foamed polyethylene contained in the solid portion is 0.1 to 10 × 10^{-4} cm/cm·°C.

2. The retaining tool according to claim 1, wherein the solid portion is formed in a layer shape in the insertion direction.

3. The retaining tool according to claim 1 or 2, wherein the solid portion is provided with a flat surface at the second end portion.

4. A use method of a retaining tool comprising thawing the syringe according to any one of claims 1 to 3 from -40°C to room temperature in a state where the syringe is inserted into the insertion portion.

5. A syringe transport tool set comprising:

the retaining tool according to any one of claims 1 to 3;

a surrounding member that surrounds the syringe according to any one of claims 1 to 3; and

a cold storage agent that is installable between the syringe and the surrounding member in the housing space and includes a content that refrigerates the syringe and a content storage container that houses the content,

wherein the surrounding member includes a buffer member that mitigates an external force applied to the syringe when the syringe is transported,

the buffer member has a thermal conductivity of 0.022 W/m·K or less, and

the content is configured to have a melting point of -30 degrees or less.

6. The syringe transport tool set according to claim 5, wherein the content storage container has a flat surface.

7. A transportation method of a syringe, comprising:

disposing the syringe in the housing space of the packing container according to claim 5 or 6;

disposing the cold storage agent in the housing space so as to surround the syringe; and

disposing the buffer member in the housing space so as to surround the syringe via the cold storage agent.