To the media:

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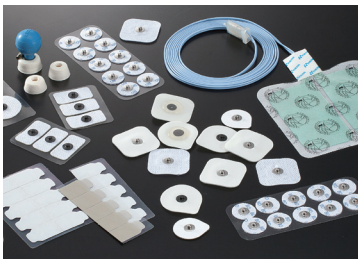
Sekisui Plastics Develops ST-gel™ <LN Grade>

Sekisui Plastics Co., Ltd. (Head Office: 2-4-4 Nishi-tenma, Kita-ku, Osaka, Japan; President: Masato Kashiwabara) is pleased to announce that it has successfully developed a new gel material, ST-gel <LN Grade>, having different characteristics in one gel material which is technically difficult to develop.

1. Background

ST-gel is a skin-friendly, highly-safe material that contains a solvent, moisturizer, and electrolyte in its polymer matrix. it, to which adhesiveness and conductivity can be imparted, has been an essential component in bio-electrodes such as pads for electrocardiograms and low-frequency massage devices for medical use.
In recent years, markets of the health, medical and wearable devices have expanded.

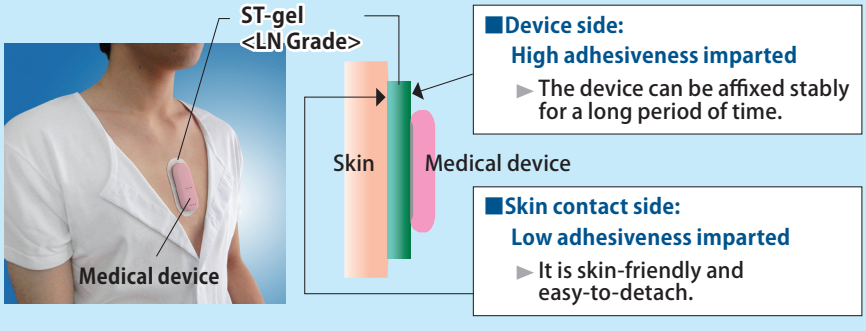


Especially in the field of self-medication such as the prevention of locomotive syndrome, which increases the risk of needing nursing care, the body sculpting, and the self-health management, the needs for gel materials have been more and more diverse and sophisticated. There is an increasing demand for gel materials having different characteristics at the same time, such as low and high adhesiveness on the skin and device sides respectively. To meet this demand, the Company has developed ST-gel <LN Grade>.

2. Features of ST-gel <LN Grade>

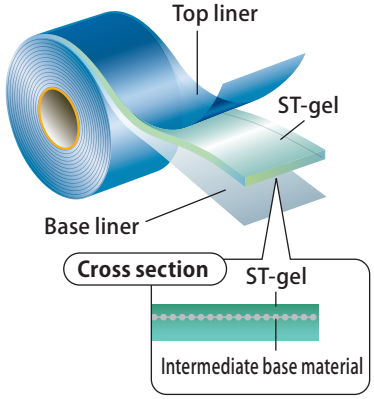
To realize <LN Grade>, Sekisui Plastics has developed a technology to **combine different characteristics in the gel itself, such as "high and low adhesiveness" and "high and low surface hardness."** The control of adhesiveness and the characteristics can be customized according to customers' requirements.

When affix a medical device onto the skin;



Supplies as rolls and sheets are available.

Roll product structure



3. Future Development

We will focus on development in response to the needs of the wearable device field. In addition, we are targeting sales of 1 billion yen in FY2020 by expanding its applications into the electronic material and industrial fields.