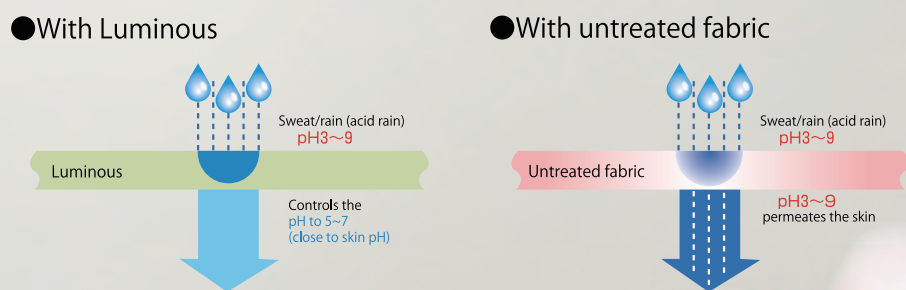


L u m i n o u s TM

Mildly acidic pH-control fabric that is gentle on the skin

In the field of cosmetics, it is well known that healthy skin is mildly acidic. This fact was the basis for the development of our new fabric, which protects the skin. Luminous responds quickly to ambient changes and keeps the skin healthy.

pH-control mechanism



LuminousTM is treated with a special, long-lasting pH-control agent. The fabric responds to changes in conditions; when its pH becomes acidic or alkaline due to sweat or acid rain, it maintains a pH of 5-7.

Mild acidity that is gentle on the skin



Human skin is protected by a mildly acidic membrane consisting of amino acid and lactic acid, which are contained in the sebum and sweat glands. It is said that keeping the skin mildly acidic inhibits the growth of bacteria on the skin and tightens the skin's protein. In fact, the cosmetics industry sells mildly acidic basic cosmetics and skin lotions.



Gentle on the skin



Deodorizing

- Adjusts the skin's pH to 5-7 to make it healthy.
- Has a deodorant effect on sweat.

KOMATSU MATERE Co., Ltd.

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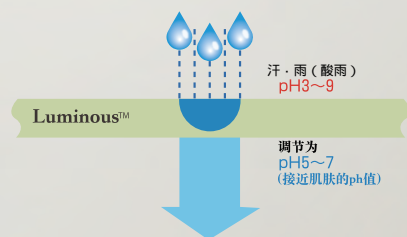
L u m i n o u s™

保护肌肤的弱酸性pH调节材料

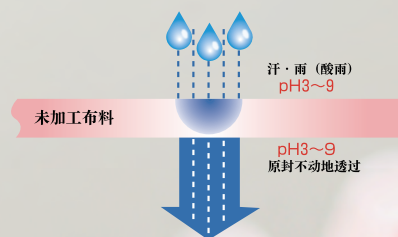
“健康的肌肤是弱酸性的”。基于在化妆品领域被认为是常识的想法，产生了用材料来保护肌肤的创意。Luminous™对环境变化也能快速做出反应，使肌肤总是保持舒适状态。

调节 pH 的构造

●使用Luminous™时



●使用未加工布料时



Luminous™将特殊的pH调节剂持久地固定到纤维表面上。当汗、酸雨等酸性水分穿过时，衣服的pH会瞬间作出反应，试图向酸性一侧或向碱性一侧发起作用，并将材料的pH调节到弱酸性的5-7范围。

保护肌肤的弱酸性



人体的皮脂、汗腺中所含的氨基酸、乳酸等酸综合作用会形成弱酸性环境，人的皮肤表面就是受到这种弱酸性皮肤膜的保护。一般认为，使肌肤保持弱酸性，可以抑制皮肤表面细菌增殖并能紧致皮肤蛋白质。实际上，化妆品行业一直在销售保护肌肤的弱酸性基础化妆品和化妆水。



保护肌肤



除臭

○将材料的 pH 调节到健康肌肤的 pH 值 (5 ~ 7)。

○对汗具有防臭剂效果 (除臭)。

KOMATSU MATERE Co., Ltd.

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